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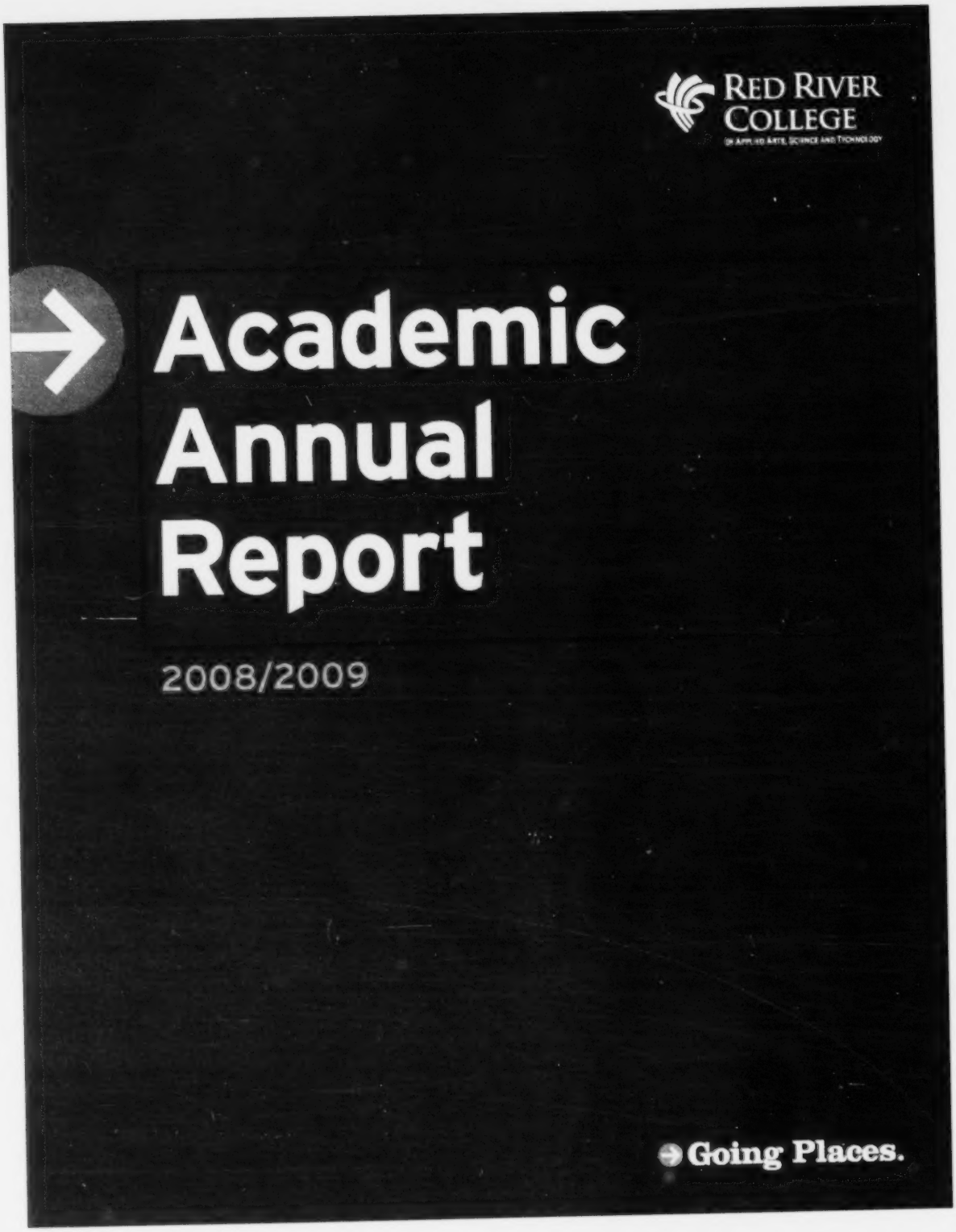
RED RIVER COLLEGE
OF APPLIED ARTS, SCIENCE AND TECHNOLOGY
Academic Annual Report
2008/2009
Going Places.

Programs, by School

School of Business & Applied Arts

3D Computer Graphics (A)
American Sign Language - English Interpretation (J)
Aviation Management (D)
Business Administration (D)
Business Administration Integrated (D)
Commerce/Industry Sales & Marketing (C)
Computer Accounting Technician (C) (L)
Computer Analyst/Programmer (Co) (D) (L)
Computer Analyst/Programmer Integrated (Co) (D) (L)
Creative Communications (D)
Culinary Arts (Co) (D) (L)
Deaf Literacy
Deaf Studies (C)
Digital MultiMedia Technology (D) (L)
Graphic Design (D)
Graphic Design - Advanced (A)
Health Information Management (D)
Hospitality & Tourism Management (Co) (D) (L)
Hotel & Restaurant Management (Co) (D) (L)
Information Systems Technology (Co) (D) (L)
International Business (A)
Professional Baking (Co) (C) (L)
Technical Communication (Co) (D)
Tourism Management (Co) (D) (L)

School of Construction & Engineering Technologies

Architectural/Engineering Technology (Co) (D) (L)
Building Design CAD Technology (Co) (D)
Carpentry and Woodworking (C)
Carpentry Five-Month Program (C)
Civil Engineering Technology (Co) (L)
Electrical (C)
Electrical Five-Month Program (C)
Electrical Engineering Technology (D)
Electronic and Network Technology (C)
Electronic Engineering Technology (D)
Electronic Engineering Technology Integrated (D)
Environmental Protection Technology (Co) (D) (L)
Geographic Information Systems (GIS) Technology (A)
Geomatics Technology (Co) (D) (L)
Greenspace Management (Co) (D)
Instrumentation Engineering Technology (D)
Municipal Engineering Technology (Co) (D) (L)
Network Technology (CCNA) Certificate (C)
Network Technology (CCNP) Certificate (C)
Network Technology (CCNP) Diploma (D)
Piping Trades (C)
Plumbing Five-Month Program (C)
Refrigeration and Air Conditioning Technician (C)
Structural Engineering Technology (Co) (D) (L)
Wood Products Manufacturing Technology - Certificate (C)
Wood Products Manufacturing Technology - Diploma (Co) (D)

School of Continuing & Distance Education (Continuing Studies)

Academic Development Programs (C)
Applied Counselling (C)
Health Unit Clerk (C)
Introduction to Business (C)
Legal Administrative Assistant (C)
Occupational Health & Safety (C)
Para Educator (C)
Photography - Enhanced (C)
Railway Conductor (C)
Recreation Facilitator for Older Adults (C)
Sterile Processing Technician (C)

School of Health Sciences & Community Services

Animal Health Technology (D)
Chemical and Biosciences Technology (Co) (D)
Child and Youth Care (D)
Dental Assisting - Level II (C)
Diploma Nursing (Accelerated) (D)
Disability and Community Support (D)
Early Childhood Education (D)
Early Childhood Education - Workplace (D)
Family Support Worker - FAS/E (C)
Health Care Aide (C)
Magnetic Resonance Imaging (MRI) and Spectroscopy (A)
Medical Laboratory Sciences (D)
Medical Radiologic Technology (D)
Paramedicine - Primary Care Paramedic (C)
Pharmaceutical Manufacturing (C)
Quality Assurance/Quality Control (QA/QC) in the Pharmaceutical Industry (A)
Radiation Therapy
Rehabilitation Assistant (C)

School of Indigenous Education

Aboriginal Self-Government Administration (D)
Aboriginal Language Specialist (D)
ACCESS Model Programs
Biindigen College Studies (C)
College Preparation for Nursing (C)
Community Development /Community Economic Development (D)
Community Development /Community Economic Development - Certificate (C)
Computer Applications for Business (D)
Information and Office Assistant (C)
Introduction to Trades (C)

School of Learning Innovation

Business/Technology Teacher Education (J)
Business/Technology Teacher Education - After Degree (J)
Industrial Arts/Technology Teacher Education (J)
Industrial Arts/Technology Teacher Education - After Degree (J)
Technical Vocational Teacher Education (D)

School of Transportation, Aviation & Manufacturing

Aerospace Manufacturing (C)
Aircraft Maintenance Engineer (D)
Automotive Service Education
Automotive Technician - Certificate (C)
Automotive Technician - Diploma (D)
Collision Refinishing (C)
Collision Repair and Refinishing (C)
Heavy Duty Equipment Mechanic (C)
Manufacturing CAD (C)
Manufacturing Technician (D)
Mechanical Engineering Technology (Co) (D)
Outdoor Power Equipment Technician (C)
Power Engineering Technology (D)
Technology Management (A)
Welding (C)

Language Training Centre

English as an Additional Language (EAL) Programs (C)

(Co) Co-operative Education programs (may be optional)
(L) Laptop computer delivery
(C) Certificate program (usually 10 months)
(D) Diploma program (usually 2 years or more)
(A) Advanced Diploma program
(J) Joint program with the Univ. of Manitoba or Univ. of Winnipeg

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Princess Street Campus
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Winnipeg Adult Learning Centre
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Winnipeg, Manitoba R3H 0J9
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Language Training Centre
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Winnipeg, Manitoba R3C 1A3
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Heavy Equipment Training Centre
Z110 - 2055 Notre Dame Avenue
Winnipeg, Manitoba R3H 0J9
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Fax: 204-697-0451

Stevenson Aviation and Aerospace Training Centre - Winnipeg
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Stevenson Aviation and Aerospace Training Centre - Southport
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Gimli Campus
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Peguis - Fisher River Campus
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234 Tudor Lane, Gimli Industrial Park
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Steinbach, Manitoba R5G 0B3
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Steinbach Community Learning Centre
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Steinbach, Manitoba R5G 0B3
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Winkler Campus
100 - 561 Main Street
Winkler, Manitoba R6W 1E8
Telephone: 204-325-9672
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Winkler Community Learning Centre
300 - 561 Main Street
Winkler, Manitoba R6W 1G3
Telephone: 204-325-4997
Fax: 204-325-5945

THE YEAR IN REVIEW 2008-09

Introduction

By any measure, Red River College has experienced a decade of explosive growth, highlighted by record enrolments, the introduction of dozens of new programs, the establishment of a new regional centre, and the construction of the Princess Street Campus, the Centre for Applied Research in Sustainable Infrastructure (CARSI) and the Heavy Equipment Transportation Centre. These are soon to be followed by the Paterson GlobalFoods Institute announced this year.

To maintain this focus and momentum, RRC created *Academic Plan 2020*. The Plan charts a clear course for future growth of the College, and establishes a new organizational mission: to become one of Canada's premier polytechnic colleges.

Polytechnics are the third pillar to the post-secondary system. While they maintain the community college's focus on hands-on, applied learning, they also provide advanced training opportunities, such as four-year baccalaureate degrees, and joint degree programs with universities. Curriculum is industry driven and enhanced through applied research, technology transfer and innovation activities.

This year marks a major milestone in achieving that mission. With the amendment of The Colleges Act, Manitoba's colleges may now grant baccalaureate degrees "in areas of applied focus". RRC's first two degree programs in Nursing and Construction Management are under development for launch in 2010.

Progress and accountability for *Academic Plan 2020* are reported annually in this Annual Academic Report.

Responsible Growth

For the 14th consecutive year enrolments reached another all-time high, with significant growth across many categories. Full-time enrolments grew by 7% over the last five years, due to new programming, increased retention and graduation rates, and the expanded use of internet video-streaming to deliver programming to the regional centres. The number of apprentices training at RRC grew 16%, up 62% over the last five years, led by growth in the construction and automotive trades. The Language Training Centre had its busiest year ever, with more than 1, 000 international and immigrant students, and Distance Education enrolments reached their highest ever at 4,675, up 15% over the year before.

New programming initiatives included the expansion of the Nursing and Early Childhood Education programs, the introduction of new 5-month construction trades programs, the conversion of the Gas Turbine Repair and Overhaul (GTRO) program to an Apprenticeship delivery and the launch of Manitoba's first Primary Care Paramedicine and Internationally Educated Nurses programs. The School of Continuing and Distance Education launched new programs for Railway Conductor, Food Services Management and Residential Decorator and the Language Training Centre introduced English for Apprenticeship and Trades.

The 5-month construction trades programs will allow RRC to address the critical skills shortages in the construction industry by doubling the number of graduates in Plumbing, Carpentry and Electrical. By video-streaming the Early Childhood Education (ECE) program to rural communities and regional campuses RRC will help the province increase the availability of quality early childhood care services. Video-streaming was also used to expand the Nursing program and to deliver the new Paramedicine program beyond Winnipeg to The Pas, Dauphin and Portage la Prairie. Converting the GTRO program to an apprenticeship delivery model in partnership with industry allowed the program to expand from 16 students per year to more than 60.

In addition to the program expansions, a Financial Services major for Business Administration was developed for launch in September 2009 and feasibility studies were undertaken for Eco-tourism, Information Systems Entertainment/Gaming, and Renewable Energy Systems Technology, Water and Waste Water Treatment Plant Operator.

To accommodate the continued expansion and record enrolments RRC again expanded its facilities.

The new 60,000 square foot Heavy Equipment Transportation Centre was opened at the Notre Dame Campus in January to support Manitoba's truck and bus transport industry, a new regional campus was established in the Interlake for the Peguis/Fisher River communities and a 12,000 square foot training centre was leased in Winnipeg to support Apprenticeship expansion. In partnership with industry, RRC opened the Centre for Aerospace Technology and Training, a

new $10M research and development lab for advanced manufacturing.

The biggest infrastructure announcement for the year was the Patterson GlobalFoods Institute, a $27M renewal of the historic Union Bank Tower in the Exchange District. The 100 year old building, Western Canada's oldest "skyscraper", will become the new home for RRC's hospitality programs and the college's first student residence.

Aboriginal Outreach

Aboriginal enrolments across all schools at RRC grew by 10% in 2008-09. This continues a strong trend that has seen enrolments increase 32% in the last 5 years and 52% in the last ten years.

As our youngest and fastest growing population, Aboriginal learners are an important part of RRC and of Manitoba's future. The School of Indigenous Education was created to encourage Aboriginal participation in post-secondary education, both within the Aboriginal focussed programs in the School and across all programs in the College's other schools.

Community based programming and partnerships continue to be a major source of new opportunities for Aboriginal learners at RRC, including:

- Aboriginal Child Support Worker (*Wahbung*)
- Child and Youth Care (*Ndinawe*)
- Early Childhood Education (*Sistars in North Point Douglas*)
- Family Support Worker (*Urban Circle*)
- Computer Applications for Business (*KaNiKanichihk*)
- Bookkeeping (*Centre for Aboriginal Human Resource Development - CAHRD*)
- Community Centred Therapy (*Peguis First Nation*)
- Aboriginal Head Start (*Health Canada*)
- Literacy (*ArrowMight Canada and Brokenhead and Black River First Nations*)
- Enhancement Year (*Fisher River Cree Nation*)
- Civil Engineering Technician (*Tataskweyak First Nation - Split Lake*)

In recognition of the success of community based education for Aboriginal learners, RRC established a new Regional Campus in the Interlake region to serve Peguis and Fisher River First Nations and surrounding communities. In its first year of operations the new centre delivered programming in Business Administration, Introduction to Trades and College Preparation studies.

Success in college programs starts with choosing the right program and feeling at home on campus. To help Aboriginal learners get to know RRC and its programs we send college representatives to First Nations communities and host a number of orientation events at RRC's campuses. Red River Rocks is a fun orientation for grade 12 Aboriginal students, parents and counsellors. Peguis First Nation held a Science, Engineering and Technology symposium at the Princess Street Campus, and a Christmas Village at the Aboriginal Centre at the Notre Dame Campus attracted more than 800 attendees from Aboriginal youth groups, daycares and Aboriginal communities.

Diversity and Inclusiveness

As diversity grows in our communities and workplaces, RRC works to become more inclusive. International students add a cultural richness to our classrooms, with students coming from approximately 40 countries. In 2008-09, international connections were made with Japan (*Hospitality and Culinary Arts*), India (*Aircraft Maintenance Engineer*), China (*Electrical Technology*), Chile (*Teacher Education*), Jamaica (*Culinary Arts*) and Mexico/USA (*Nursing*).

More seats were created for International students in programs like Business Administration and Aircraft Maintenance Engineering and the Language Training Centre had its busiest year ever. A new bridging program for Internationally Educated Nurses was created for Manitoba Health and the Regional Health Authorities and the Aboriginal Student Resource Centre was expanded and renovated.

Inclusiveness needs to happen in the curriculum as well as the hallways, and RRC's work on developing curriculum through the context of the Aboriginal Medicine Wheel was recognized with an invitation to present our research at the World Indigenous People's Conference on Education in Melbourne, Australia.

Other activities to support diversity at RRC and in our communities included support to the World Deaf Ice Hockey and Curling Championships held in Winnipeg, hosting trades and technology camps for women and girls, and partnering with Manitoba Family Services to deliver the Foundations in Disability and Community Support to community agencies across the province.

Access and Success

Access means making programs broadly and conveniently available and success means supporting students and helping them learn.

RRC added a fifth Regional Campus in the Interlake region to help bring post-secondary education to more learners, and Distance Education delivery continued to grow to new record highs. Thirteen certificate and one diploma programs are completely available through distance delivery.

Video-streaming technology allows programs delivered on one campus to be available at another, and was used to expand the delivery of Early Childhood Education (ECE), Paramedicine, Nursing, Technology Management and the Certificate in Adult Learning. Community-based delivery brought another 11 programs to rural and remote communities, and the Mobile Training Labs brought trades and apprenticeship training to Gillam, the Interlake and St. Laurent. Workplace-based delivery models used in the ECE and Community and Disability Support programs allow learners to remain in their jobs and their communities, making post-secondary education available to those who could not otherwise attend college.

Recognition for Prior Learning (RPL) is another way to make college available to adult learners. Providing credit for the knowledge learners already have reduces the time needed to complete a program, shortening part-time studies and increasing accessibility. RPL guides were completed for another eight programs and more than 800 RPL assessments were completed. RRC partnered with Manitoba Hydro to provide advanced standing and special bridging courses for their information technology employees and power electricians.

Student success is a foundation of RRC's philosophy. We help students learn. We help them achieve their educational goals. We help them realize their dreams for a better future.

In September 2005, the College began piloting the Freshman Integration and Tracking System, or "FIT" as it is commonly known. FIT is a student retention initiative developed by staff from Humber College, and adapted by Red River College to meet its needs.

After four years, the FIT pilot has involved over 150 College faculty and almost 2,000 students. Based on continuing improvements in retention by participants, FIT has been expanded in each successive year. In 2008-09, the number of students and faculty participating doubled, and now includes 26 diploma and certificate programs. The success rate of the FIT program also improved. From an initial 2.5% improvement in first term retention, FIT participants are now showing a 7.5% improvement. Based on the excellent results FIT will continue to expand to other programs.

Quality and Innovation

Measuring, improving and innovating makes good programs better.

RRC maintains a comprehensive multi-stage quality assurance program for its academic programs, including the use of Key Performance Indicators, internal program reviews and external accreditation.

In 2008-09, six Face Validations were completed, five program renewals/redevelopments were undertaken and three programs had their curricula mapped to the Medicine Wheel. Nine programs were accredited by external agencies.

Key performance indicators remained high, with graduate satisfaction ratings at 94%, employment rates at 97%, and employer satisfaction at 96%. All of these results place RRC among the top rankings when benchmarked at other colleges across Canada.

Innovation is doing new things, or doing old things better. The Science of Early Childhood Development (SECD) is an example of both. SECD is an on-line multimedia curriculum resource developed by the ECE program in partnership with the Atkinson Centre for Society and Child Development at the University of Toronto that continues to generate interest in Canada and around the world.

The Canadian edition is used by colleges and universities in Canada and Australia, and by TV Ontario for their website for parents. The International edition, sponsored by the World Bank, focuses on global issues related to developing countries. RRC has been contracted by CIDA, the Association of Universities and Colleges of Canada (AUCC) and the Agha Khan Foundation to deliver the International edition in Kyrgyzstan, Serbia, and Bangladesh.

CELBAN (Canadian English Language Benchmarks Assessment for Nursing) is another example of RRC leadership and innovation.

Created at RRC's Language Training Centre, CELBAN is an assessment tool designed to assess the English language proficiency of internationally-educated nurses who are applying for licensure in Canada. CELBAN has been recognized by nursing licensing bodies across Canada, with two new sites (Regina, Saskatoon) added to the national network in 2008-09. Almost 600

assessments were conducted across Canada last year, continuing the annual growth being experienced since 105 tests were administered in the 2005 launch year.

Recognizing the success and efficacy of CELBAN, the government of BC contracted with RRC to examine the feasibility of adapting CELBAN for use with other internationally educated professionals in the healthcare sector. The Midwives Association of British Columbia also contracted RRC to analyze the English language demands of the midwifery profession.

Other innovative projects undertaken during the year include:

- "Training the Eye" video produced for the Early Childhood Education program
- A feasibility study into on-line training for apprenticeship and trades training
- 50 episodes of "Wise Guys" on-line video math tutorials
- A Formula 1 race car based computer-aided design course for public school teachers, which was awarded one of five Canadian HP Technology for Teaching grants ($77,000)
- RRC became an authorized installer for A123 Hymotion plug-in hybrid electric vehicle (PHEV) automobile conversion kits
- The first delivery of an on-line "open course", where anyone anywhere in the world could access the *"Management of Technological Innovation"* course using social networking tools, a wiki and RRC's live virtual classroom
- A student researched and developed Aboriginal history text book
- The co-development of SOCRATES, an on-line assessment and RPL advising tool with New Brunswick Community College
- RRC's Raycer was one of two college based teams to complete the North American Solar Challenge, designing, building, and driving a solar-powered car in a 4,300 km cross-country time/distance rally event from Texas to Calgary via Winnipeg.

Polytechnic Model of Education

With the amendment of The Colleges Act to allow Manitoba colleges to grant baccalaureate degrees "in areas of applied focus", RRC continues its march to become Manitoba's polytechnic.

The Council on Post Secondary Education approved the development of RRC's first two baccalaureate degree programs in Nursing and Construction Management. Both programs are strongly supported by industry, professional associations and employers. Development was undertaken in 2009 for delivery beginning September 2010.

The Baccalaureate Nursing program will incorporate an accelerated delivery model. Using a 10 month academic year, the four-year BN program can be delivered in about 36 calendar months. The Degree in Construction Management will offer multiple entrance and exit points and will incorporate Gold Seal courses from the Canadian Construction Association and preparation to write the certification exams for Leadership in Energy and Environmental Design (LEED).

Along with its first two baccalaureate degrees, RRC will also develop a joint degree in Disability Studies with the University of Winnipeg. Through "2+2" articulation agreements with the University of Manitoba, joint degrees will also be established between Early Childhood Education, Child and Youth Care , Disability and Community Support and the Faculty of Human Ecology – Family Studies.

Polytechnics support economic and social development through applied research, helping industry to develop new products, adapt existing processes, and improve productivity. RRC continued to develop its applied research capacity by partnering with industry, provincial economic development agencies and the Natural Sciences and Engineering Research Council (NSERC).

Working with NSERC's Industrial Research Assistance Program (IRAP) and the Manitoba construction industry, RRC led the development of a sustainable infrastructure cluster. The Center for Applied Research and Sustainable Infrastructure (CARSI) is the base for the initiative, which will grow with the introduction of the Construction Management program and the

support of NSERC's Community and College Innovation program. The cluster will help develop new building materials and technologies for the construction industry, leading to "greener" buildings and a more competitive industry.

RRC's second applied research centre, the Centre for Aerospace Technology and Training (CATT), opened in January. This high performance advanced materials and processes facility supports research, teaching and production in laser welding, automated laser cladding and advanced materials coating technologies. Owned and operated by RRC but located at StandardAero, this co-managed facility is a new model for collaboration and is the first post-secondary laboratory located within an industrial facility. Open to all aerospace companies, CATT will bring world class technologies to Manitoba to help maintain the competitiveness of the aerospace industry.

In addition to the applied research conducted through our applied research centres, RRC supported industry through a number of applied research projects, including:

- Development and testing of building moisture sensors with SMT Research Ltd
- Final testing on a moisture removal system with NorthAir Tech
- Development of a high temperature solar trough heating/power experiment with Manitoba Hydro
- Concrete beam reinforcement systems development and testing with Vector Construction
- Powertrain re-development and prototyping with Motor Coach Industries
- Design and development of a GPS-based wildlife tracking collar
- Testing for a new hydraulic motor
- Insulation testing for a local window manufacturer

Going Places

RRC has a remarkable history of continually evolving to meet the needs of our community. With the recent changes to The Colleges Act, the introduction of baccalaureate degrees and the growing capabilities in applied research, RRC will serve our community in the new ways demanded by a globally connected, increasingly competitive and rapidly changing world.

With *Academic Plan 2020*, RRC is Going Places, driving innovation and building a workforce for the 21st century.

College Profile

Going Places

Red River College graduates truly are going places; they possess the knowledge, flexibility and curiosity to contribute, learn and adapt in a changing economic, social and cultural environment.

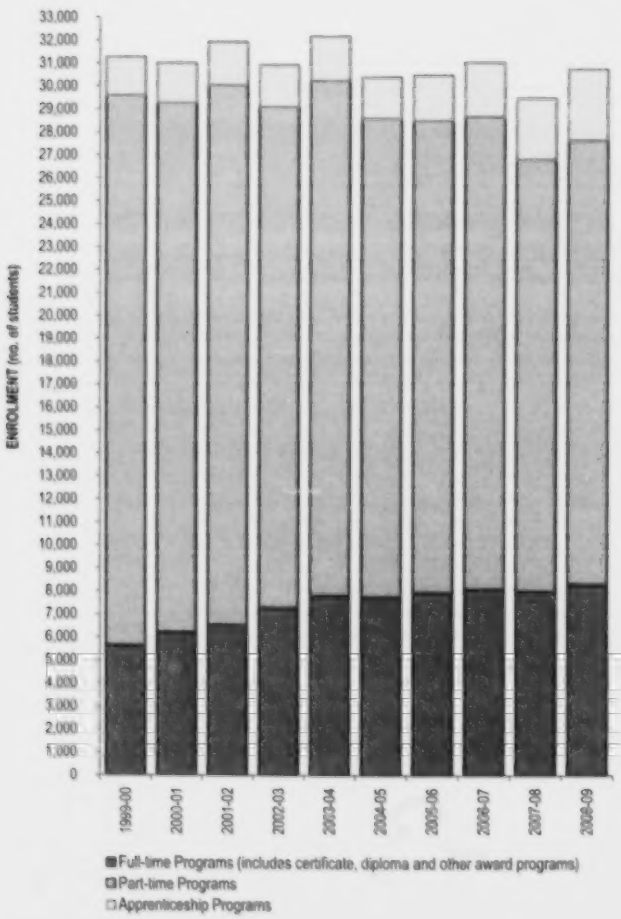
Through more than 110 diploma, certificate and apprenticeship programs, RRC enables skilled, experienced and motivated graduates to succeed and achieve their dreams. The College strives to help learners find meaningful careers and provide a skilled and informed work-force for Manitoba by setting the standard in applied post-secondary education and research programs and meeting the demand of the marketplace.

The College itself is going places by growing, changing, and adapting to meet the requirements of today's knowledge economy as well as the needs of the foundation economy. RRC is using technology to offer flexible programming to students wherever they may be and whenever they need to access it, updating and expanding its programs to remain relevant for learners and improving facilities to ensure a top rate educational experience.

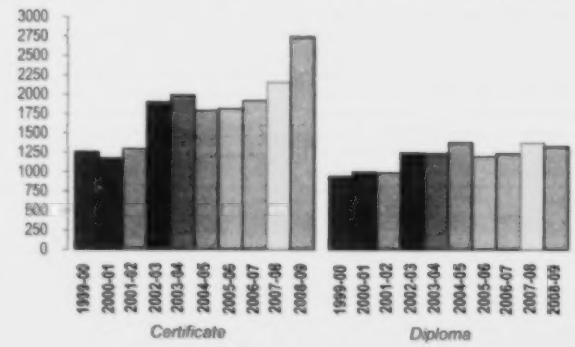
Full-Time Program Growth

The College has experienced significant growth in its regular full-time programs, (certificate, diploma and other award programs). Since 1998/1999, enrolment in these programs has increased by 58 percent.

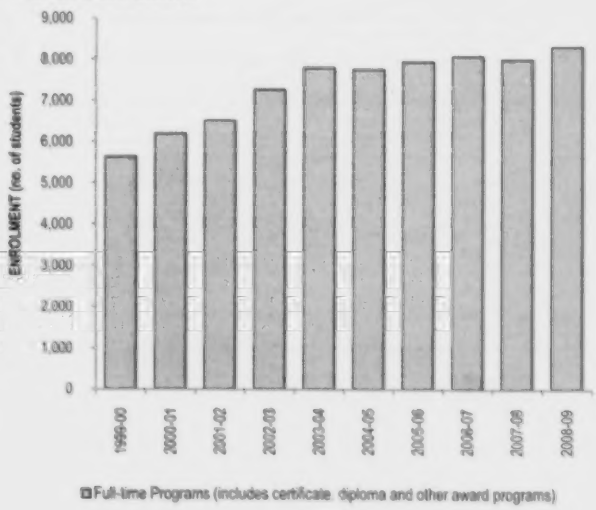
College Enrolment



Number of Graduates, Certificate and Diploma Day Programs



Full-time Enrolment



Vision and Mission

The College has a future-focused vision: Red River College is renowned for providing accessible, innovative, applied learning and research in an advanced environment, creating skilled graduates to drive the Manitoba economy.

The mission of RRC is to enable students to build a career, enhance quality of life, and contribute to Manitoba's economic and social prosperity through exceptional applied education and research.

The College's ties to the community are reinforced through a 12-member Board of Governors. The Board focuses on the vision and long-term strategic directions for the College.

Organization

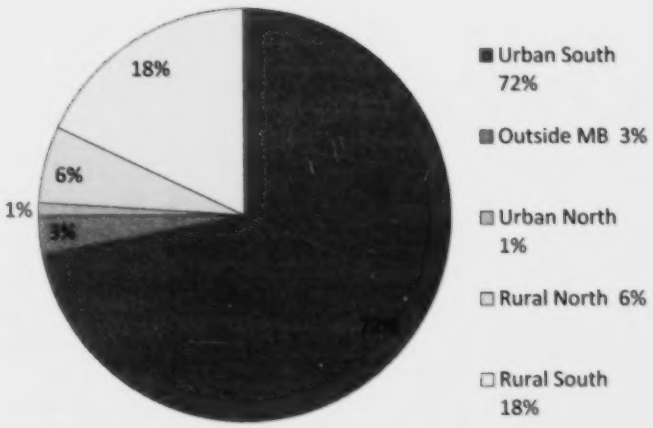
Red River College is a multi-campus institution with major facilities in the Winnipeg Region and five regional campuses strategically located throughout the Province. In recent years the College has made a concerted effort to expand the footprint of its facilities to accommodate growing enrolment in our programs. To date several additional buildings have been leased or constructed to offset increasing demand in the areas of skilled trades. However, economic demand for skilled labour continues to increase and the need for additional physical infrastructure continues to be a pressing issue for the College.

Red River College is developing an infrastructure growth strategy which includes renewing, relocating or constructing new facilities to meet the growing needs of our regional campuses and renovating and expanding the infrastructure of the Notre Dame Campus to meet the needs of trade programming.

All new development will follow the guiding principles of sustainable development as alluded to in our newly adopted sustainability policy. Many of these principles were incorporated in the construction of our award winning Princess Street Campus.

Our newly commissioned Heavy Equipment Transportation Centre constructed on the Notre Dame Campus was built to Leed Silver standard. The Patterson GlobalFoods Institute, a $27M renewal of the historic Union Bank Tower in the Exchange District, will become the new home for RRC's hospitality programs and the college's first student residence.

Student Location Prior to Entry to RRC, 2008/2009



Note: *Urban South includes the metropolitan Winnipeg area, Brandon, Portage la Prairie and Selkirk. Rural South includes all other areas in southern Manitoba. Urban North includes the northern urban areas of Dauphin, The Pas, Flin Flon and Thompson. Rural North includes all other areas in northern Manitoba.*

Programming

RRC offers a diversity of credentials, including post-secondary joint baccalaureate, advanced diploma, diploma, certificate and preparatory programs in the fields of applied arts, applied sciences, business, community services, developmental education, health and technology. In addition, the College provides training for apprentices in 30 designated trades.

The College also offers a comprehensive array of courses for part-time learners in Winnipeg and across Manitoba through its Continuing Studies office and its Regional Campuses.

The College also responds to the specialized and customized education and training needs of business, industry, government and community organizations. The Contract Training unit of Continuing Studies provides centralized sales, service and administrative support to contract training initiatives of all departments and divisions.

Vision and Mission

The College has a future-focused vision: Red River College is renowned for providing accessible, innovative, applied learning and research in an advanced environment, creating skilled graduates to drive the Manitoba economy.

The mission of RRC is to enable students to build a career, enhance quality of life, and contribute to Manitoba's economic and social prosperity through exceptional applied education and research.

The College's ties to the community are reinforced through a 12-member Board of Governors. The Board focuses on the vision and long-term strategic directions for the College.

Organization

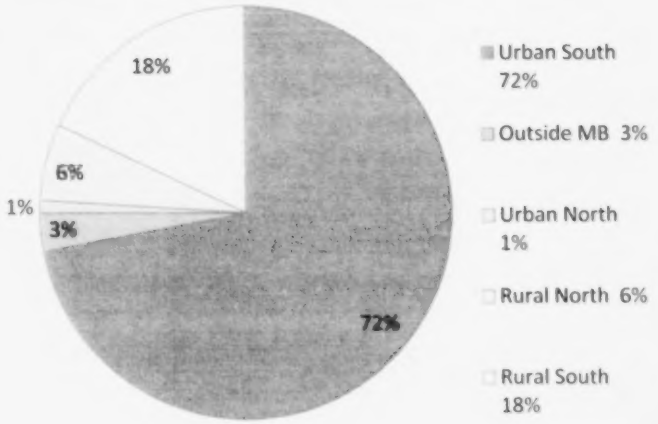
Red River College is a multi-campus institution with major facilities in the Winnipeg Region and five regional campuses strategically located throughout the Province. In recent years the College has made a concerted effort to expand the footprint of its facilities to accommodate growing enrolment in our programs. To date several additional buildings have been leased or constructed to offset increasing demand in the areas of skilled trades. However, economic demand for skilled labour continues to increase and the need for additional physical infrastructure continues to be a pressing issue for the College.

Red River College is developing an infrastructure growth strategy which includes renewing, relocating or constructing new facilities to meet the growing needs of our regional campuses and renovating and expanding the infrastructure of the Notre Dame Campus to meet the needs of trade programming.

All new development will follow the guiding principles of sustainable development as alluded to in our newly adopted sustainability policy. Many of these principles were incorporated in the construction of our award winning Princess Street Campus.

Our newly commissioned Heavy Equipment Transportation Centre constructed on the Notre Dame Campus was built to Leed Silver standard. The Patterson GlobalFoods Institute, a $27M renewal of the historic Union Bank Tower in the Exchange District, will become the new home for RRC's hospitality programs and the college's first student residence.

Student Location Prior to Entry to RRC, 2008/2009



Note: *Urban South includes the metropolitan Winnipeg area, Brandon, Portage la Prairie and Selkirk. Rural South includes all other areas in southern Manitoba. Urban North includes the northern urban areas of Dauphin, The Pas, Flin Flon and Thompson. Rural North includes all other areas in northern Manitoba.*

Programming

RRC offers a diversity of credentials, including post-secondary joint baccalaureate, advanced diploma, diploma, certificate and preparatory programs in the fields of applied arts, applied sciences, business, community services, developmental education, health and technology. In addition, the College provides training for apprentices in 30 designated trades.

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Demographics

In 2008/2009, the majority of students enrolled in full-time programming were between 20 and 24 years of age.

Students came to the College from across the province. Seventy-two percent of students are from the urban south. Excluding apprenticeship training, women comprised 51 percent of the full-time student population in 2008/2009.

As a comprehensive college, RRC serves a diverse population with a varied educational background.

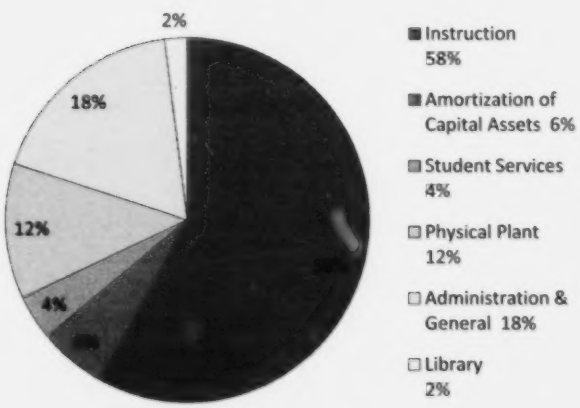
Resources

In 2008/2009, the total human resources complement of the College was approximately 1216 full-time equivalent staff years.

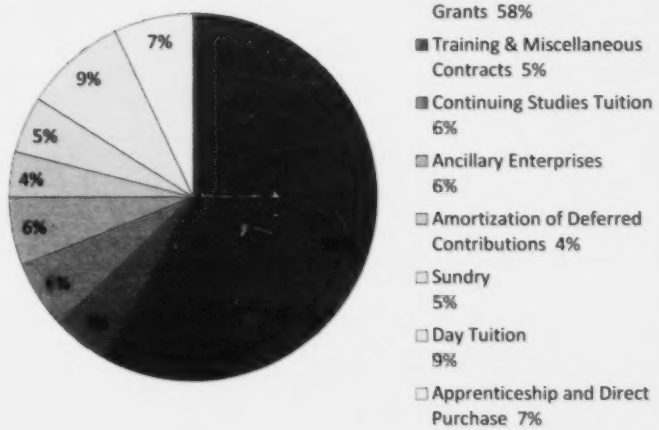
The College operates on a not-for-profit basis with an annual expenditure of approximately $135,000,000.

As a publicly funded institution, the College relies significantly on provincial government grant support, which comprised approximately 58 percent of its total revenue in 2008/2009. The College receives tax exempt status as a registered charity.

College Expenditures, 2008/2009



College Revenue, 2008/2009



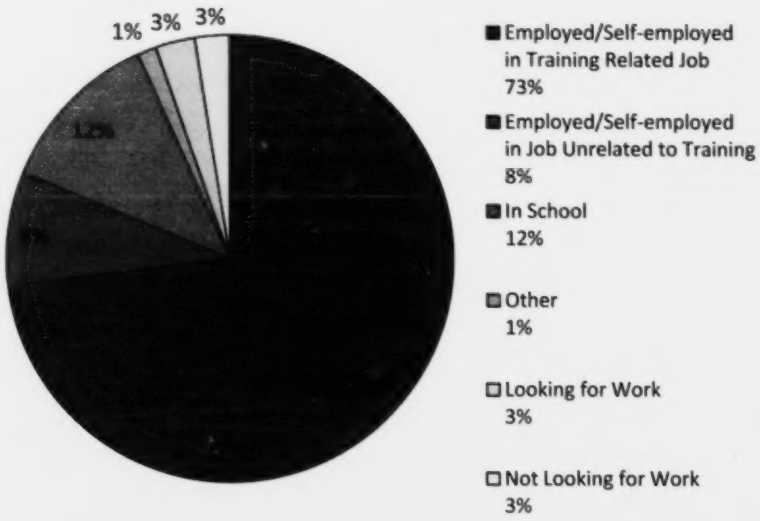
Red River College's Satisfaction and Employment survey of 2007/2008 graduates shows that graduates continue to find jobs in Manitoba and express high levels of satisfaction with their education.

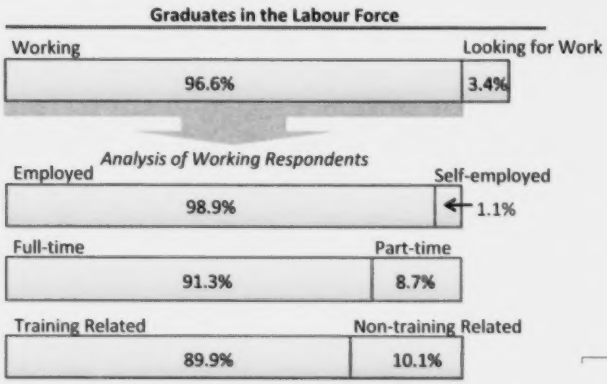
Of all full-time day program graduates who responded to the survey, 93 percent were employed or furthering their education.

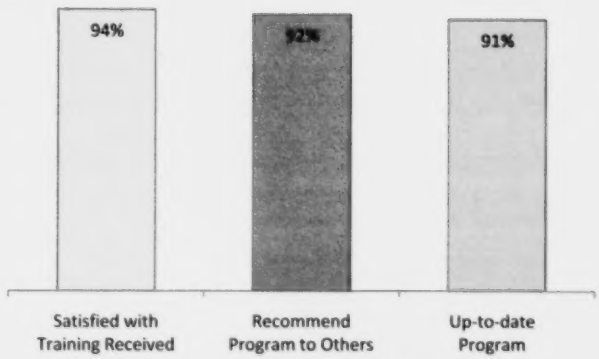
Of those graduates who were in the workforce, seeking employment, almost 97 percent found jobs. Only 3 percent were looking for work. Moreover, of the responding employed graduates who reported an employer's address, 95 percent were in Manitoba. By far most College graduates remain in Manitoba to contribute to the province's prosperity and to its social and cultural vitality.

Current Status

(% Of all Respondent in this Report)







(All respondents included in chart calculations)

Almost 90 percent of employed/self-employed graduates reported that they were working in a field related to the education and training received. In addition, 91 percent of the employed/self-employed graduates reported that they were employed full-time.

Ninety-four percent of all respondents reported that they were very satisfied or satisfied with their education at Red River College and 92 percent said they would recommend their program to others.

Graduates also reported their annual salaries. There is variation in the level of achieved income by program with an average of $37,084, which was an increase of 6.5 percent over that reported by 2006/2007 graduates.

Top Ten Average Starting Salaries	
Diploma Nursing (Accelerated)	$62,467.30
Technical Vocational Teacher Education	$60,935.00
Certificate in Adult Education	$60,456.80
MRI and Spectroscopy	$57,621.66
Power Engineering Technology	$57,459.86
Geomatics Technology	$51,566.64
Medical Laboratory Sciences	$51,301.76
Electrical Engineering Technology	$48,301.62
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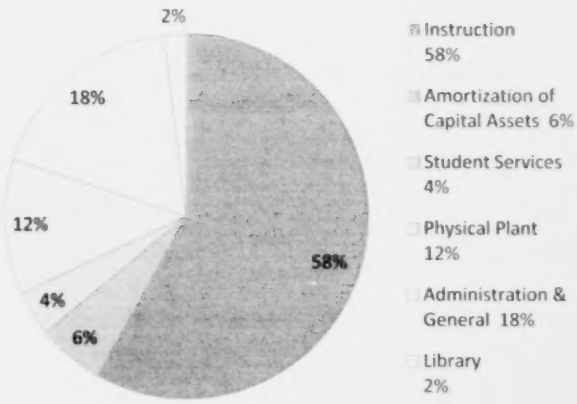

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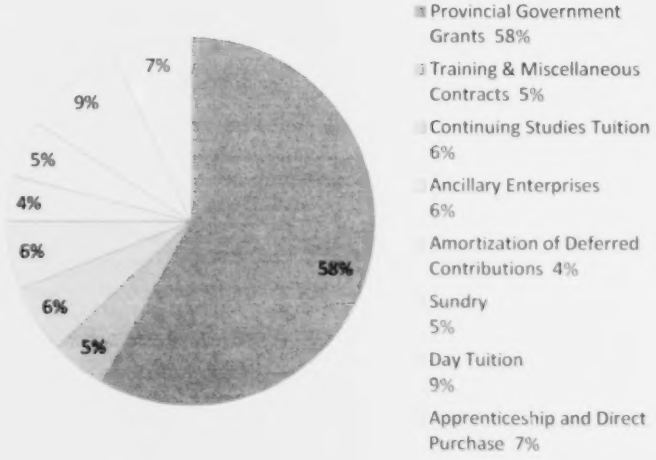

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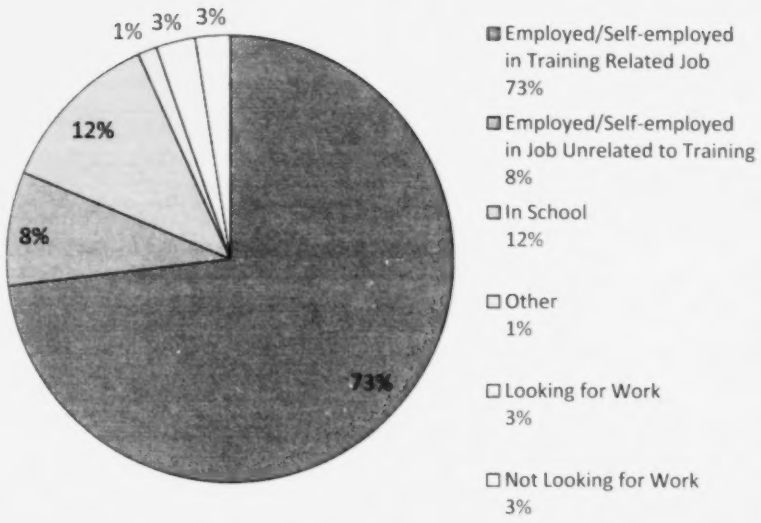


Graduates in the Labour Force

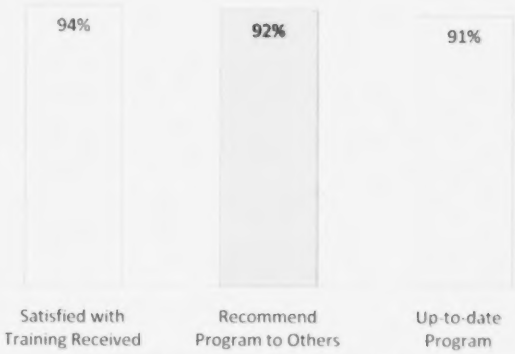
Working	Looking for Work
96.6%	3.4%

Analysis of Working Respondents

Employed	Self-employed
98.9%	1.1%

Full-time	Part-time
91.3%	8.7%

Training Related	Non-training Related
89.9%	10.1%



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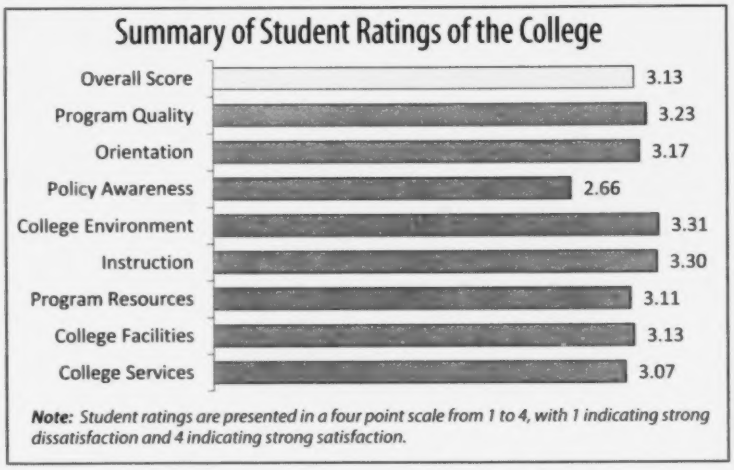
Student Satisfaction

The annual Student Evaluation of Program (SEPS) report summarizes the attitudes and feelings of students towards their college experience in a graphical format that allows for quick and easy insight into students' satisfaction with the program.

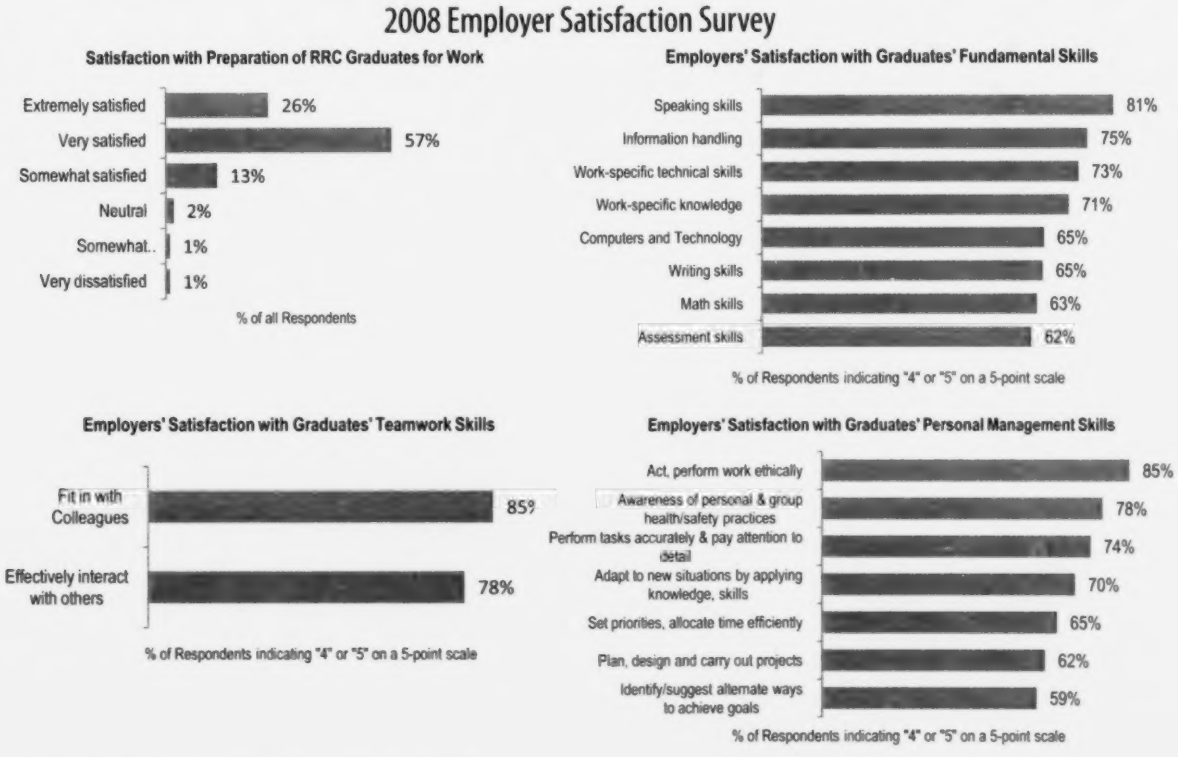
The SEPS report takes the 44 questions on the student evaluation of program survey and factors them into eight dimensions of Program Quality, Orientation, Familiarization with College Policies, College Environment, Quality of Instruction, Program Resources, Facilities and College Services. These eight factors are reported on a simple bar chart, giving readers instant insight into the student's experience in the program.



Each program's Summary of Student Ratings is published in the combined Graduate Satisfaction and Employment Report and Student Evaluation of Program Report and also on the College's website. Roll-up summaries are also available for each School and for the College as a whole.

Employer Satisfaction

As its name might suggest, the Employer Satisfaction survey interviews employers of recent graduates for the three preceding years. In addition to measuring overall satisfaction, employers are asked to rate their satisfaction with graduates fundamental skills, personal management skills, and teamwork skills. Employers are asked to assess graduates along a total of 17 measures. The results for the entire college are reported annually. By combining the results for the last three years, a more detailed picture can be presented at the program level.



Student Support Services

Department Highlights

Disability Awards and Scholarships were awarded for the first time this year. Counselling and Disability Services provided three Crisis Bursaries, three Student with Disabilities Awards, and one Director's Award for a total of $3,800.

The Learning Assistance Centre initiated or participated in a number of pilot projects in the 2008-09 school year:

- Freshman Integrated Tracking System (with Research & Planning)
- Enhanced Student Support Project (with Health & Community Services)
- *Keys to Success* Orientation Week (with Trades and Technologies)
- *Write It Right* essay-writing assistance (with Diversity and Immigrant Support)
- *Wise Guys* on-line mini modules (with TLTC)

The Enhanced Student Support project continued to be a cornerstone for the Learning Assistance Centre during the 2008-09 school year, both in terms of activity levels and financial impact. Two staff tutors were involved in tutoring, development and delivery of workshops and the creation of new diagnostic assessment tools. Strong working relationships have been established with three program areas: Animal Health Technology, Medical Laboratory Sciences and Early Childhood Education. 2009-10 will be the final year of the project.

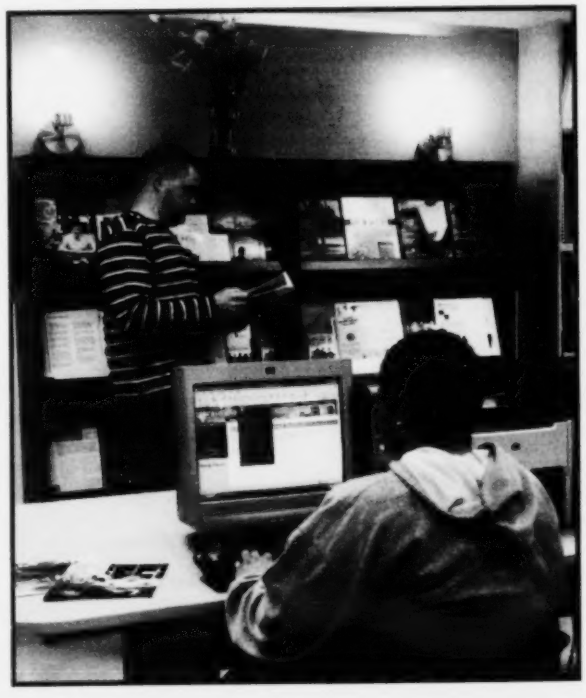
The *Wise Guys* online math videos project, initiated during the 2007-08 school year, grew from a small pilot to a full series of online tutoring videos. Over fifty math tutoring videos have now been created and will be promoted to faculty and students in the fall.

A variety of academic supports were used to begin to assist students from the regional campuses. These were offered by both peer and staff tutors, although still in low numbers. To attempt to address the needs of groups of students, the LAC also coordinated a number of "supplemental instruction" sessions led by instructors from the regional campus. Students from Steinbach and Winkler were able to access on-line tutoring supports in Business Math and Accounting via weekly "Elluminate" sessions during the first term. Interest is high in the "Wise Guys" video presentations.

Assessment Services provided support to International Education in recommending appropriate test batteries and facilitating testing for the Jamaican students involved in the Apprenticeship Culinary Arts program.

During 2008-09 the department provided direct service to thousands of Red River College students:

- Assessment Services provided testing for enrolment purposes to 1,730 clients (+5%). Diagnostic testing (already accepted students) was also provided to 959 students (+11%).
- Counselling & Disability Services provided service to 1,237 students of which 929 had diagnosed disabilities.
- Exam Accommodations provided service to 573 students with disabilities (+13%) for test/exam accommodations.
- Employment Services provided service to 1,180 students and connected with 1,787 companies.
- Interpreting Services provided 18,556 hours of ASL interpreting/computerized note-taking support to 31 students.
- The Learning Assistance Centre provided 9,030 hours of tutoring support (+9%) to 1,546 students (+5%).



Recognition of Prior Learning (RPL)

Department Highlights

In 2008-09, the College introduced new terminology, Recognition of Prior Learning (RPL) for the Prior Learning Assessment and Recognition (PLAR) practices and system. This new term reflects current Canadian and international terminology.

The College is committed to quality RPL practices, processes and systems. The Strategic and Operational Plan (2005-2010) for RPL provides the parameters to ensure the continued development of an accessible, credible and effective RPL system.

Key priorities based on the outcomes and actions are identified to further the integration, implementation and expansion of RPL to meet the needs of adult learners who are returning to college with formal learning and/or significant learning from work and life experience.

In 2008-09 the College:

- Provided RPL information, advising and orientations for over 785 prospective and current students through the Academic Advising service in the Student Service Centre. Over 245 (32%) were individuals with international credentials. Academic departments also provided program-specific RPL advising and conducted assessments of prior learning for learners enrolled in full and part-time programs.
- Was one of only eight institutions in Canada conducting more than 500 RPL assessments/year. RRC conducts over 800 RPL course assessments each year in addition to hundreds of transfer of credit assessments.
- Initiated implementation of *Socrates Know Yourself* - an online self assessment and RPL advising tool developed with New Brunswick Community College. The Socrates tool was used in a pilot project with employees from Manitoba Hydro for the Computer Analyst Programmer (CAP)/Information System Technology (IST) programs. Participants explored their previous learning in the IT field through online self assessments to the course outcomes.
- Initiated development of an innovative RPL project in the Child and Youth Care (CYC) Diploma to recognize CYC practitioners who had completed non credit competency training. The project provided opportunities for streamlined RPL assessments conducted at the workplace.
- Delivered the new Recognition of Prior Learning (RPL) Practitioner Certificate program for learners in Manitoba, across Canada and internationally. The curriculum is designed for advisors, assessors and facilitators who work in the RPL or related fields such as adult learning, career counseling, human resources and qualification recognition.
- Facilitated the 7th annual RPL Foundation Summer Institute for participants from Manitoba, British Columbia, Alberta, North West Territory, Ontario, Nova Scotia, Prince Edward Island and Bermuda. In 2008-09, 28 learners completed the course via distance and classroom learning. Since 2001, 570 have completed the RPL Foundation course.
- RPL Facilitators participated in the Association of Canadian Community Colleges (ACCC) Canadian International Development Agency (CIDA) partnership project in Brazil – "Empowering a Thousand Women". The project with Canadian colleges and Brazil CEFETS (technical institutes) promoted the social and economic inclusion of disadvantaged women from Brazil through delivery of inclusive ACCESS services, RPL approaches and training in a specific field.
- Provided RPL expertise for the national Wood Manufacturing Council (WMC) project -*PLAR in the Advanced Wood Processing Sector* designed to increase awareness of PLAR in the wood sector industry and explore industry direction for PLAR and the WMC.
- RPL staff continued to participate at provincial and national levels with representation on: Manitoba Prior Learning Assessment Network - Board of Directors and Program Planning Committee; Canadian Association of Prior Learning Assessment - Boards of Directors and RPL Standards Working Group; the National Advisory Committee for the Adult Learner Friendly Institution (ALFI) Canada Study; the ACCC Recognition of Learning (ROL) Affinity Group as Co Chair; CAPLA's Education and Training Committee, RPL Standards Working Group and the International PLA Network (IPLAN).

School of Business & Applied Arts

Dean Graham Thomson
Room P311, Phone 949-8377,
Email gthomson@rrc.mb.ca

This School consists of four departments: Accounting and Computer Education; Creative Arts; Hospitality; and Management and Marketing. The School offers programs designed to meet the specific needs of the business, information technology, hospitality, and graphic and communications professions.

School Highlights

An additional September and late entry January intake were added for the Business Administration at the Princess Street Campus. This action resulted in an overall increase of 30 students (one entire section) in 2008/2009.

Due to the success of the Business Administration late entry intake at the Princess Street Campus, a second late entry (January 2009) intake was also added for the Notre Dame Campus, which resulted in a growth of 36 BA students.

Accounting and Computer Education launched its newly developed Bookkeeping program at the Canadian Aboriginal Human Resource Development (CAHRD) centre on Higgins.

The School participated in the Peguis First Nation Science, Engineering and Technology Symposium that was held at the Princess Street Campus. Over 100 First Nations students as well as their teachers and advisors attended this event, which exposed students to a variety of program options and gave them the chance to take part in hands-on workshops.

The Technical Communication program transferred from the School of Transportation, Aviation and Manufacturing to the School of Business and Applied Arts in 2008.

The College announced it will expand its presence in Winnipeg's historic Exchange District. The Union Bank Tower will be transformed into the Paterson GlobalFoods Institute, a new home for RRC's culinary and hospitality programs and the site of the College's first student residence. The project is being supported by funding from the Government of Canada ($9.5 million), the Province of Manitoba ($5 million), the City of Winnipeg and Centreventure ($2 million), Paterson GlobalFoods and the Paterson Foundation ($2 million), and the Winnipeg Foundation ($500,000).

RRC's Hospitality department in partnership with ACCC and our Brazilian partners participated in "Thousand Women Project" workshops in Maceio, Brazil in June 2009. We offered technical advice, AV material and culinary curricula which were translated in to Portuguese.

RRC signed an MOU with the Jamaican government to train culinary students at RRC.

The annual "Day In The Life" camp hosted 60 students (grade 11 and 12) from 13 high schools. The camp helps assist young people with making decisions about their future careers.

The 4th annual Tech Camp for Girls provided exposure to computer technology for 40 junior high girls representing nine schools.

The Broadcast Production students produced a series of one minute public service announcements for the Winnipeg Foundation in conjunction with CTV. CTV aired them throughout the spring and summer of 2009. This was the second year Creative Communications partnered with the Foundation.

The first World Deaf Ice Hockey and Curling Championships were held in Winnipeg April 10-18, 2009. The event provided the American Sign Language-English Interpretation Program students with an international event that allowed them to be exposed to Deaf people from around the world, each nation with its own sign-language.

In January 2009 the School of Business and Applied Arts hosted 15 Japanese students from Airline, International and Resort College for language training and a cultural exchange.

The Directions Business Conference was held in January 2009 at the Victoria Inn in Winnipeg. There was an increase of more than 150 students from the original 2007 event, for a total of 570 participants.

The International Sybase User Group, an independent association with members in over 60 countries around the world, held its first ever special event in Winnipeg at the

Princess St. Campus. Partners for this tour were Sybase, IBM, Novalys, Lumigent, and Enable. Facilitated and hosted by RRC, the Winnipeg stop resulted from ongoing collaboration between PowerBuilder lead instructor Doug Bake and Sybase Evangelist Chris Pollach.

The Paul J. Hill School of Business of the University of Regina began piloting the Young Entrepreneurs Challenge online game with 47 teams of Saskatchewan students. The game was originally developed for the Manitoba Chambers of Commerce by RRC's Innovation Action Team.

Manitoba Hydro agreed to financially support a pilot Recognition for Prior Learning (RPL) program for providing a fast-track IT diploma option to its employees. The pilot features Socrates, a new online RPL tool developed at New Brunswick Community College in collaboration with RRC and the province of NB. The project is testing a new model for industry credentialing of employees, and has sparked considerable interest at the federal level.

3D Computer Graphics students beta-tested a Level Editor for a clones game being developed by Fortune Cat Studios.

The Digital MultiMedia Technology program hosted a Serious Games Conference in March, with guest speakers from the UK and USA. The event was sold out with 140 people in attendance. Brian Fawkes, coordinator of the program, sat on the steering committee.

Third-year Hospitality and Tourism Management students will once again be placed at Walt Disney Resort in Orlando. Five students were selected for the Disney interview process in Toronto for next year's placements.

Several Faculty members have enrolled in Doctorate studies at the University of North Dakota in preparation for a potential future offering of an International Business degree.

Staff Notable Achievements

Faculty member, **Darryl Toews** successfully completed his Masters program (Master of Arts in Education for Community Colleges).

La Royce Batchelor was accepted to the University of North Dakota for a doctorate in Business & Entrepreneur Education.

Faculty member, **Keith Penhall**, was also accepted to the University of North Dakota for his doctorate.

The Board of Governors of the Certified General Accountants Association of Manitoba bestowed the Certified General Accountants Honorary designation (C.G.A.(Hon.)) to the ACME Chair, **Gail Shimonek**.

The International Association of Administrative Professionals sent us a letter of thanks for **Cristy Simpson's** involvement with IAAP. Cristy, ACE's administrative assistant, has been the Website Coordinator (2005-present), Vice-President (2004-05), President (2005-06), and Treasurer (2007-08), and is now the Education Chair.

The International Sybase User Group, an independent association with members in over 60 countries around the world, announced the creation of a new academic tier for post-secondary institutions. ACE instructor **Doug Bake** is the first educator in the world to be invited to join the new Sybase program.

A new "Facebook for babies and toddlers" has been launched by instructor **Kyle Geske** and partners. Their social-network for families can be found at www.babylolly.com, and was featured in the Free Press.

Graphic Design instructor **Frank Reimer** won the award for design in the Best Illustrated Book category at the Manitoba Book Awards in April, for his work on "The Harry Winrob Collection of Inuit Sculpture" published by the Winnipeg Art Gallery.

Culinary Arts instructor **Don Pattie** received a "Best Pastry Chef of the City Award" at a fundraiser for the Seven Oaks Hospital foundation.

Culinary Arts instructor **Tim Appleton** received the "Instructor of the Year" award by Apprenticeship Manitoba.

Patisserie Instructor **Hugo Bucher** was re-nominated National Chair for Baking for Skills Canada. **Mary Jane Feeke** is Chair of Culinary Committee for 2009-2011.

Tim Appleton was re-elected to be National Junior Membership Chair for the Canadian Culinary Federation.

Tom Pitt represented RRC at the 2009 National Capital Ice Carving Competition in Ottawa.

Student Notable Achievements

2nd year Graphic Design students each designed a new logo identity for the OnWard Gallery in W301. The submissions were judged by Greg Ward, former President of Tom Powell Design, and **Rafal Kozak** received a scholarship presented at the Creative Arts Awards Dinner.

Featured on both CTV and CBC television news, Information Systems Technology Web Development students **Corey Lussier**, **Lindsay Creek**, **Eric Magnusson**, **Justin Borwosky**, **Derrik Johnson**, **Barry Wiebe**, and their instructor, Steve Lawrence, received national recognition for their animation of a made-in-Winnipeg character "Moti" (short for motion), who is to become the national icon for the "in motion" campaign.

2nd year Creative Communications student **Gillian Giesbrecht** raised approximately $8,000 for Siloam Mission with a fundraising event called Gathered Hearts. The fundraiser was Gillian's Independent Professional Project.

Creative Communications student **Christine Mazur** won the $2,000 CBC/Barbara Frum Scholarship for Interviewing, part of the Radio Television News Directors Foundation Awards Scholarships.

Steve St. Louis received the Canadian Public Relations Society/Canada NewsWire Student Award of Excellence, which recognizes the outstanding Public Relations graduate in Canada.

Creative Communications graduate **Janelle Wookey** opened the imagineNative Film and Media Arts Festival in Toronto, with her film Mémére Métisse.

Library and Information Technology student **Melissa Maskus**, was a recipient of the Canada Millennium Scholarship.

3rd year Graphic Design student **Ann Christiani** was one of only three finalists from around the world in Print's student cover competition. The competition is only open to students, and has existed for 44 years; it is a very prestigious competition to become a finalist in.

2nd year Graphic Design student **Dennis De Leon** won the China Town Banner competition hosted by The Downtown Biz.

The TELUS Cup organizing committee thanked RRC for its contribution in putting on the TELUS Cup in Selkirk. Creative Communications students **Adam Toy**, **Kerilee Raven**, **Jessica Sigurdson**, **Dustin Stewart**, **Darrin Bauming** and **Mitch Clinton** were praised for their work.

Digital MultiMedia Technology student **Rob Huynh** had his short animation "Red Birds of Happiness" accepted into the National Screen Institute (NSI) Online Film Festival.

2nd year Graphic Design student **Sarah Barchyn** was a finalist in the Packaging Association of Canada's national student design competition.

2nd Year student **Emily Baron Cadloff** got media attention across Canada as she went across the country working on her IPP, which is a book about how to go across Canada for less than $1,000.

Graphic Design graduate **Robert Peters**, owner of Circle Design International, designed the new Canada Post musical icon stamps featuring Bryan Adams, Stompin' Tom Connors, French-Canadian rock pioneer Robert Charlebois and Acadian singer Edith Butler.

Creative Communications graduate and RRC employee **Nathan Bueddefeld** won two Television Bureau of Canada Awards for advertisements he wrote in 2008 for Manitoba Hydro. He wrote them while he was on work placement at CTV.

Two Creative Communications graduates were honoured at the Manitoba Book Awards in April 2009. **David Bergen** won both the McNally Robinson Book of the Year Award and the Margaret Laurence Award for Fiction for his novel The Retreat. **Rosanna Deerchild** won the Aqua Books Lansdowne Prize for Poetry for her collection This is a Small Northern Town.

Creative Communications graduate **Sarah Blondin** was named one of the winners in a nationwide search by Canada's Fashion Magazine to find fashion reporters from across Canada.

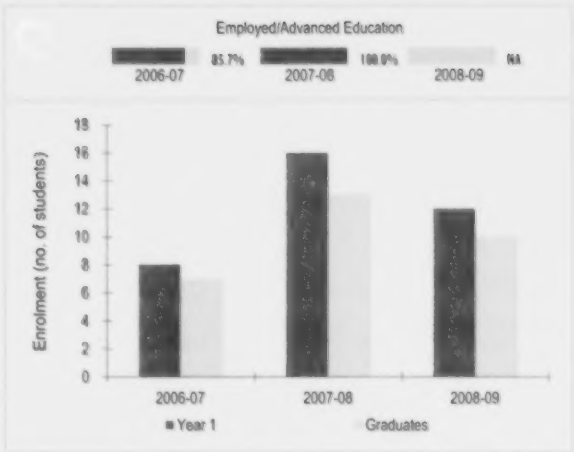
The 2008-09 Gold Medal Award winners were:

- **Heather Marie Bell** *Creative Communications*
- **Christopher John Bingham** *Graphic Design*
- **James Daniel Dunlop** *Business Administration*
- **Perry Dwayne Favoni** *Culinary Arts*
- **Kirk Fierback** *Information Systems Technology - Web Development*
- **Robert Huynh** *Digital MultiMedia Technology*
- **Tammie Amber Mace** *Hotel and Restaurant Management*
- **Yulia Runde** *Business Administration*
- **Elizabeth Stregger** *Library and Information Technology*
- **Brian Wills** *Computer Analyst/Programmer*

3D Computer Graphics

One-year advanced diploma program

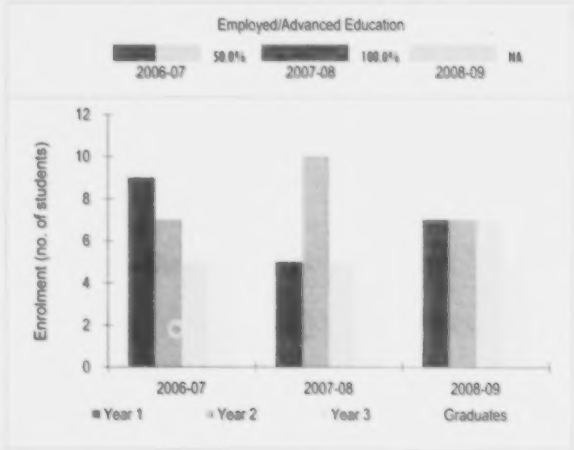
Students are taught the skills required to work in areas such as advanced 3D graphics and animation and production management. Graduates of the 3D Computer Graphics program may find employment in visual effects, motion graphics, video game development, 3D simulation and prototyping, medical imaging, and 3D simulation industries. Some graduates may choose self-employment as freelance artists.



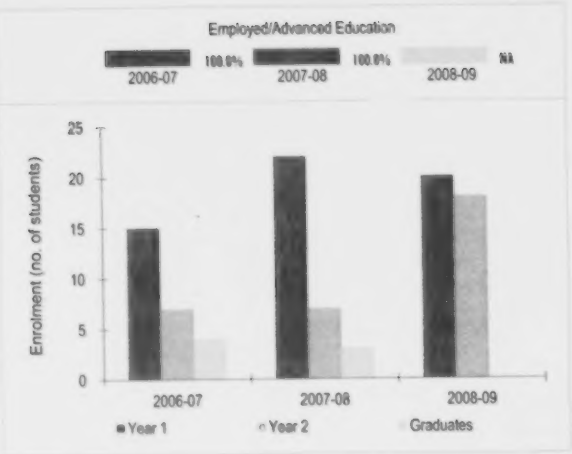
American Sign Language - English Interpretation

Joint three-year degree program offered in partnership with the University of Manitoba. Graduates will receive a diploma in ASL-English Interpretation from RRC and a Bachelor of Arts degree from the U of M.

Students are taught the skills required to function as an American Sign Language (ASL)/English interpreter in facilitating communication between hearing and Deaf individuals. Graduates are working in public schools, in interpreter referral centres and in post-secondary institutions. Some work on a freelance basis in specialized settings such as medical, religious, mental health, recreational, legal, employment, government, and the performing arts areas.



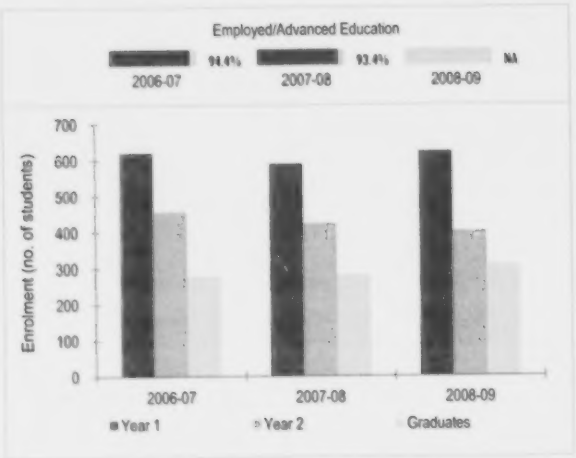
Aviation Management



Two-year diploma program

This program combines business management and flight training in a unique program designed to prepare graduates for their first employment in an aviation career. Graduates obtain their commercial license with a night and single engine instrument rating, through training from flight simulation equipment, and flying a variety of aircraft. Further electives may provide training in instructor, float, aerobatic, and multi-engine instrument ratings. The graduates can expect to find employment in various aspects of the aviation industry, including flying and airport management.

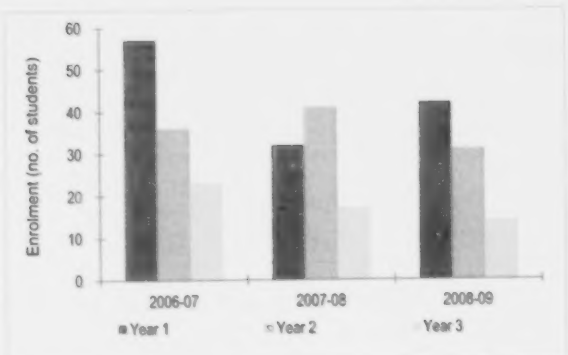
Business Administration



Two-year diploma program

As a result of majors including Accounting, Administration, Marketing, and Office Management, graduates move into a broad range of businesses and industry. Some employment areas include banking, insurance, retail management, sales positions and other service industries in large, medium or small enterprises. As a result of the entrepreneurial focus of the second year - a number of graduates have started their own business.

Business Administration Integrated



Three-year diploma program

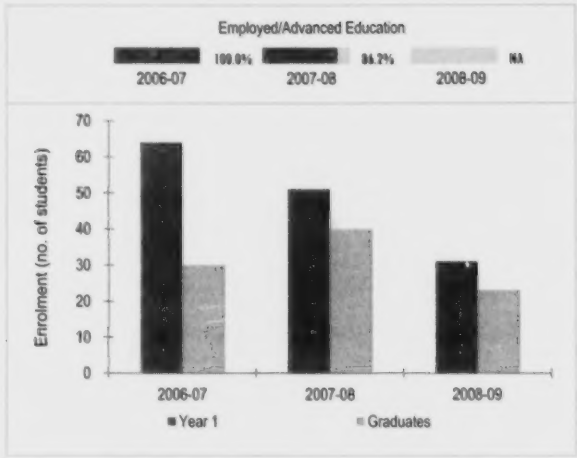
The Business Administration Integrated program combines adult upgrading with the regular Business Administration program in a three-year diploma program. Graduates will move into a broad range of positions in business and industry.

Note: *Business Administration Integrated graduates have been included with the regular Business Administration graduate figures.*

Commerce/Industry Sales and Marketing

One-year certificate program

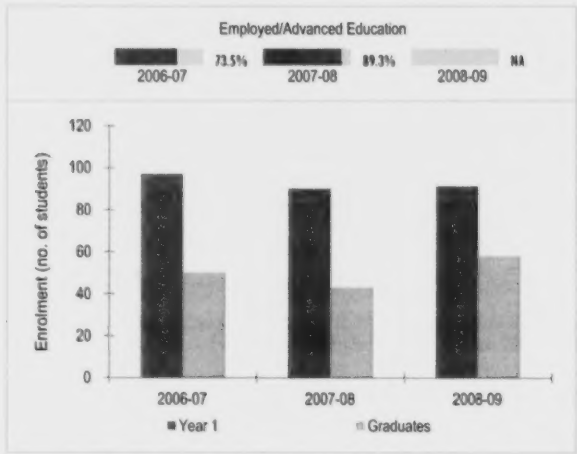
Graduates will gain the knowledge of personal selling skills required for sales success and long term partnerships. An interactive communication process will focus on the identification, development and fulfillment of customer needs and wants. Some employment areas include manufacturing, industrial goods, distribution of office supplies and equipment, transportation services and consumer goods and services.



Computer Accounting Technician

One-year certificate program

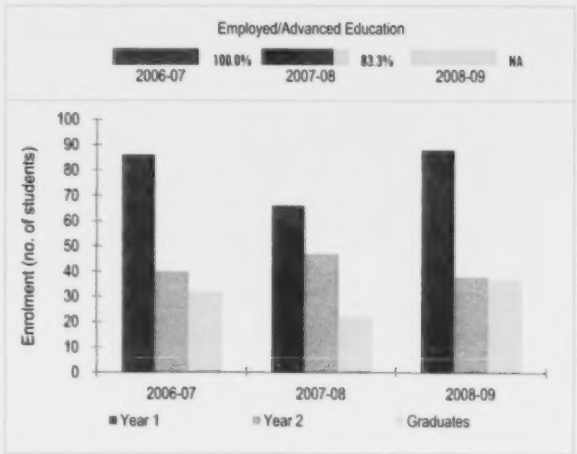
Students obtain a thorough knowledge of accounting systems and procedures to enable them to maintain a complete set of records in most types of business. Graduates have found employment as accountants, assistants or accounting clerks in retail, manufacturing, service and not-for-profit organizations or companies.



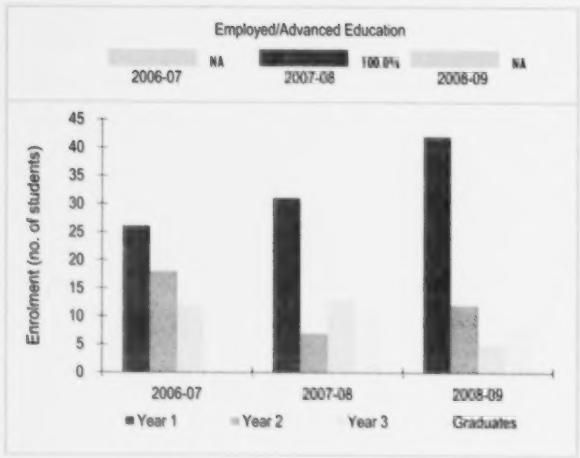
Computer Analyst/Programmer

Two-year diploma program

The program is designed to develop proficiency in application development: including analysis and design, data base management and programming. The program includes technical computer courses and related business courses. The program provides in-depth training in several programming languages and development tools. Graduates have a highly developed technical skill set to assume entry-level positions in Information Technology in both the private and public sector.



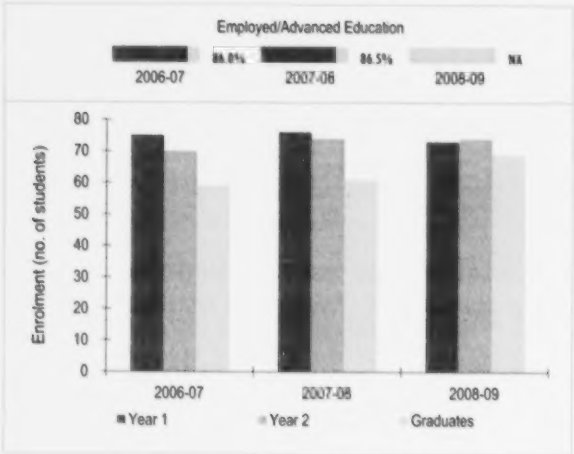
Computer Analyst/Programmer Integrated



Three-year diploma program

This integrated program is designed for applicants who do not meet the admission requirements for the two-year Computer Analyst/Programmer program, or who choose to take the program over three years. It is intended to meet the needs of Manitoba residents less able to participate or succeed in post-secondary information technology programs because of social, cultural, financial or educational factors. Priority is given to Aboriginal learners and to single parents.

Creative Communications

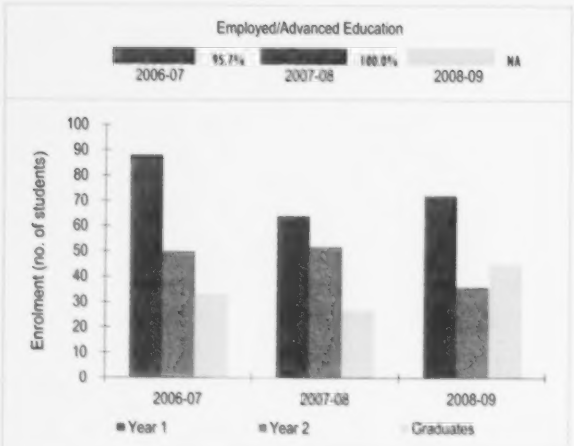


Two-year diploma program

This program is designed to give students the knowledge and skills to succeed in the communications fields of broadcast production, advertising, journalism, and public relations. Graduates have found employment as journalists in print, radio and television; broadcast production technicians; copywriters and media buyers in advertising agencies, radio and television stations; and public relations personnel in various companies and government agencies.

Note: *Red River College, in cooperation with the University of Winnipeg, offers students the opportunity to pursue a combined Degree/Diploma in Communications.*

Culinary Arts

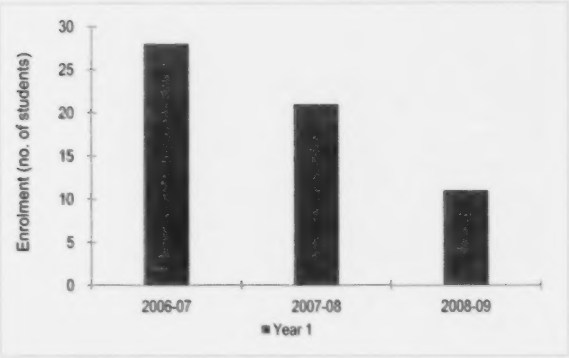


Two-year co-op education diploma program

Culinary Arts focuses on developing sound culinary skills to prepare students to meet the challenges of an increasingly sophisticated and demanding hospitality industry. The program includes two terms of paid employment in the kitchens of established hotels, restaurants or private clubs in Manitoba. Culinary Arts also incorporates the use of laptop computers as an integral part of learning and working.

Deaf Literacy

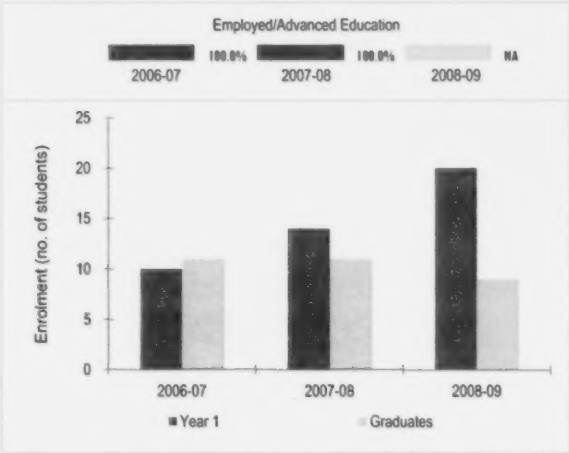
This part-time program encourages Deaf adults who are competent and proficient in American Sign Language (ASL) to learn better reading/writing skills through second language (English) approaches.



Deaf Studies

One-year certificate program

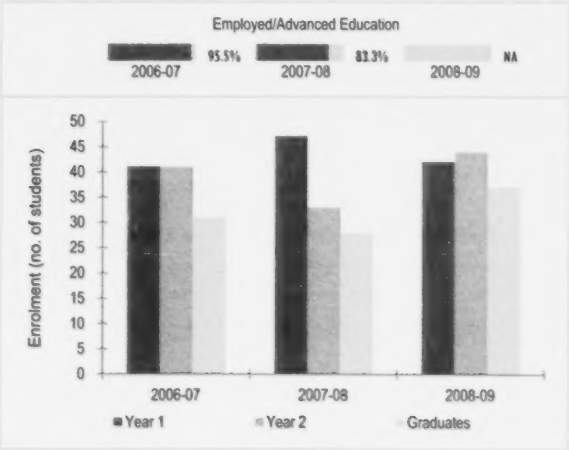
This program is designed to increase fluency in American Sign Language (ASL) and provide knowledge of Deaf culture and history. This program is suitable for anyone who requires language and culture fluency for effective interaction with Deaf individuals, as well as those who intend to apply for entry into an ASL/Interpretation program.



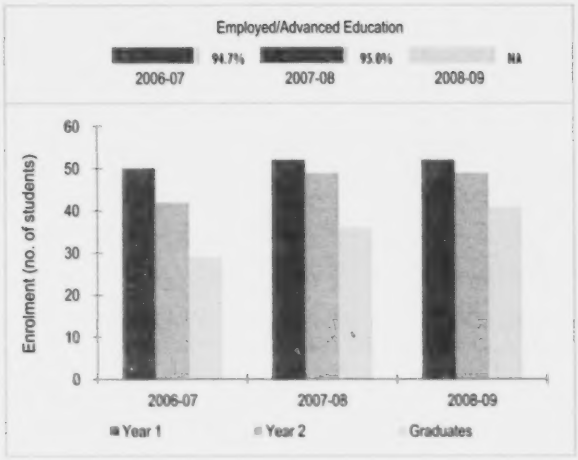
Digital MultiMedia Technology

Two-year diploma program

This program offers a balanced program of design instruction, web and interactive technologies and academic courses. It is designed to develop the technical skills and knowledge essential to professional competence and to encourage creativity, imagination and a sense of aesthetic discrimination. Graduates of this program may find employment as web designers, interactive and CD ROM designers, 2D and 3D animators, video post-production technicians and broadcast graphics designers.



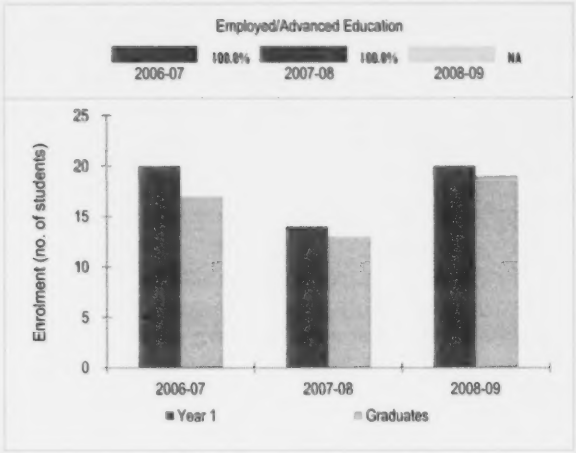
Graphic Design



Two-year diploma program

This program provides up-to-date artistic training in the technology, techniques and philosophy of graphic design. Graduates of this program have found employment as production specialists, graphic designers, illustrators and art directors in retail stores, advertising agencies, design and production studios and newspapers. Others are working in television and film studios, and some are employed as freelance artists.

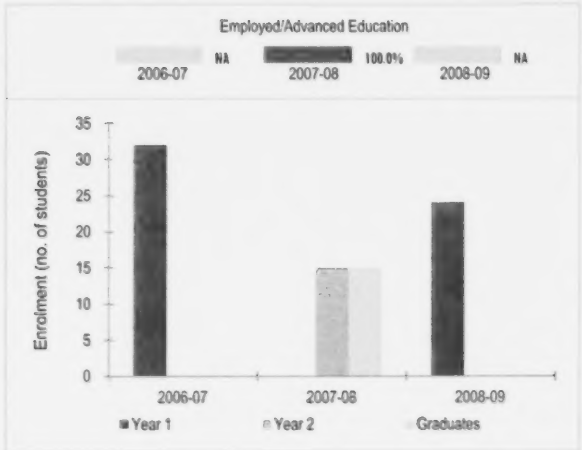
Graphic Design - Advanced



One-year advanced diploma program

This program focuses on new skill requirements in areas such as advanced computer graphics, marketing and production management. Graduates may find employment in graphic design, 3D animation, interactive document and CD-ROM development, computer games development and internet web-page creation.

Health Information Management



Two-year diploma program

This program develops the knowledge and skills needed for the collection, retention, analysis and dissemination of health care information required for patient care, research and education.

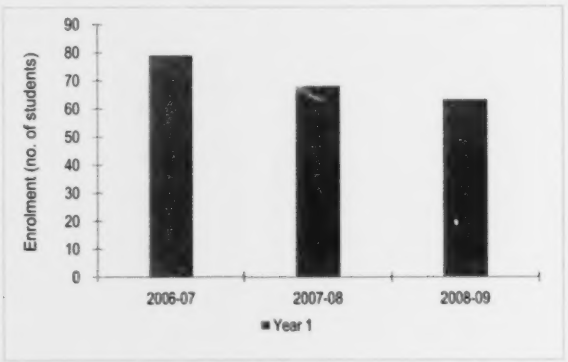
Note: *This program has intakes every second year.*

Hospitality and Tourism Management

Two-year diploma program

Hospitality and Tourism Management is a two-year (24 consecutive months) diploma program with a September entry date. Students will register into a common first year and, prior to entering second year, will select either the **Hotel and Restaurant Management** major or the **Tourism Management** major.

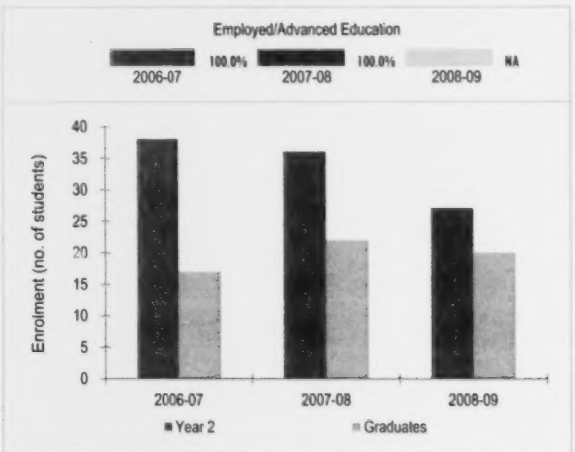
The common first year will provide a mix of general business courses as well as tourism and hospitality specific courses. This is intended to provide exposure to various aspects of the Hospitality/Tourism industry before selecting a second year major in either Hotel and Restaurant Management or Tourism Management.



Hotel and Restaurant Management

Two-year diploma program

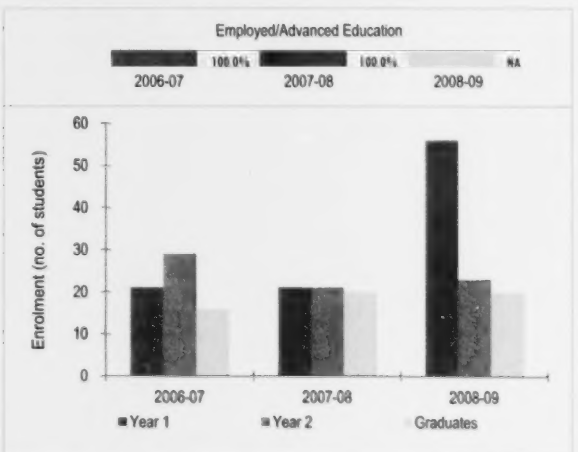
Students successfully completing the requirements of first year **Hospitality & Tourism Management** may choose to enter either the Hotel and Restaurant Management major or the Tourism Management major in their second year. The Hotel and Restaurant Management major will focus primarily on two of the eight tourism sectors - Food and Beverage and Accommodation. The courses are delivered from a supervisory or management perspective. The Hospitality Simulation offered in the final term is a capstone course requiring students to work in teams to resolve a variety of case studies, drawing on academic and work experience from previous terms.



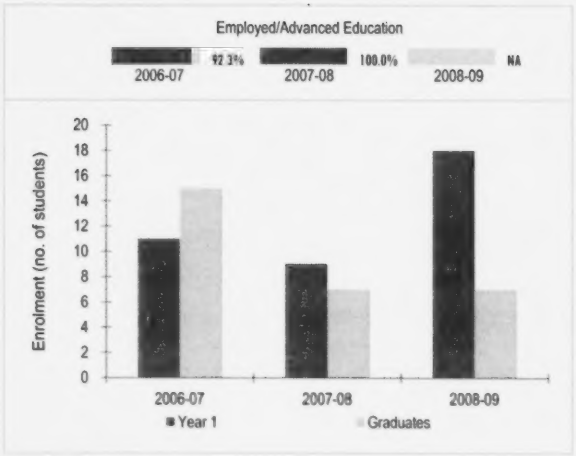
Information Systems Technology

Two-year co-op education diploma program

This program provides students with a highly developed skill set in information technology. Its emphasis is on one of four specialty areas: Application Development, Database Management, Web Development or Networking Management. Graduates will have a solid technical foundation in programming, database concepts, e-commerce applications and networking. Graduates are well positioned to fill entry level positions in their specialty area with the ability to become technical specialists in both the private and public sector.



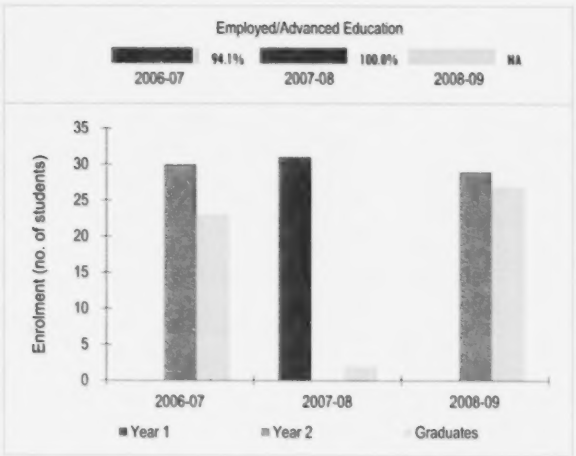
International Business



Twelve-month advanced diploma program

This program develops well-trained and qualified staff who are ready to meet the challenges of global competition in the international marketplace. Graduates have found a wide range of business, industry and organization career opportunities.

Library and Information Technology

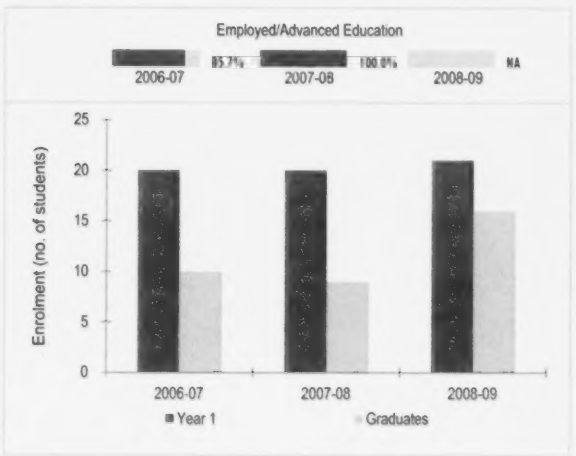


Two-year diploma program

Students learn the necessary public service and technical skills to be productive employees in library and related fields. Career opportunities exist in schools, public libraries, universities, colleges, provincial and federal government departments and agencies, industry, business and hospital or political research, book stores, utilities and publishing computerized information systems.

Note: *This program has intakes every second year.*

Professional Baking



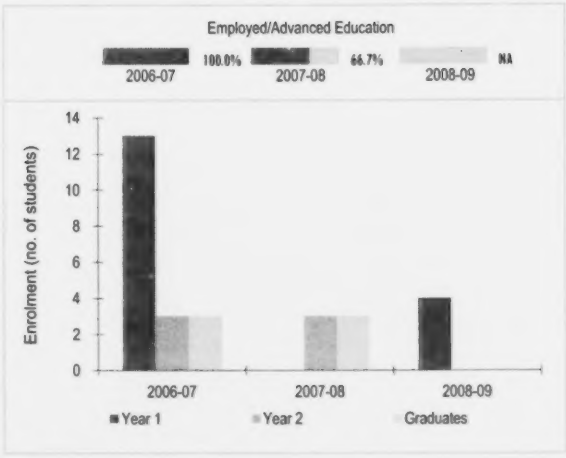
One-year co-op education certificate program

This program develops basic baking skills and related requirements through classroom instruction, practical lab training and off-campus work experience. A student begins employment as a baker's helper and may advance to a position as a competent tradesperson within approximately one year. Opportunities for employment exist in both large and smaller bakery operations.

Technical Communication

Two-year co-op education diploma program

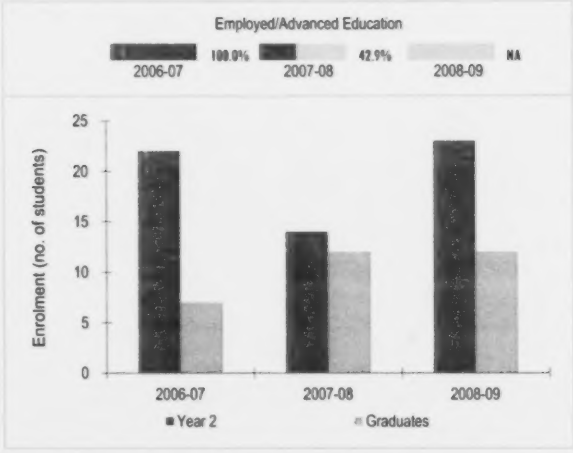
Technical Communication involves communicating technical and scientific information to non-technical audiences. Technical communicators work in all industries, from mining and agriculture to aerospace. They create manuals, proposals, brochures, posters, journal articles, reports, newsletters, presentations, and many other types of documents. They use a variety of software to produce documents in a variety of media including video, websites, paper, and CDs.



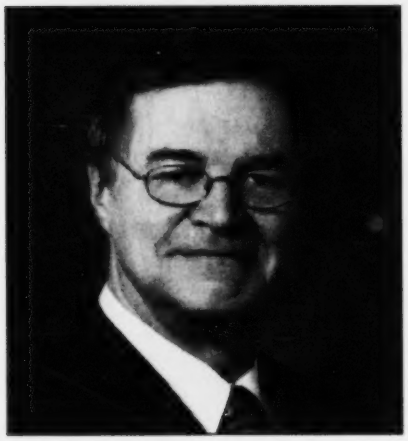
Tourism Management

Two-year diploma program

Students successfully completing the requirements of first year **Hospitality & Tourism Management** may choose to enter either the Hotel and Restaurant Management major or the Tourism Management major in their second year. The Tourism Management major discusses elements of the tourism sectors, excluding accommodations and food and beverage. The program mix is intended to provide students with a broad picture of the tourism industry and the scope of employment opportunities available.



School of Construction & Engineering Technologies



Dean Dale Watts
Room A134C, Phone 632-2291,
Email dwatts@rrc.mb.ca

This School comprises three departments: Civil Engineering Technology; Construction; and Electrical/Electronics Engineering Technology. The School provides trades, technology, and apprenticeship education and occupational training to support the Manitoba economy and infrastructure at certificate, diploma and advanced diploma levels.

School Highlights

In April 2009, the Province of Manitoba announced amendment to *The Colleges Act*, to allow Manitoba colleges to grant baccalaureate degrees "with an applied focus." Civil Engineering Technology is proud to be selected as the initial RRC department to participate in creating, developing, and delivering a degree in Construction Management. Work has already begun formulating and organizing activity required to bring this program into production.

The Department collaborated with Habitat for Humanity to design, build and present a CANstruction sculpture at Polo Park Mall. The team won the CJOB Best Meal award and received honourable mention as the most efficient team.

The Canadian Green Building Council (CaGBC) approved the Civil Engineering Technology department to deliver their course "Building Green with LEED®: LEED®Canada for New Construction Rating System 1.0" which prepares participants to write the LEED Accredited Professional Exam.

RRC signed a sub-license agreement with the Alliance of Canadian Building Officials' Associations (ACBOA) allowing the Technology Solutions program to offer a full range of courses relating to the National Building Code to the Industrial, Commercial, and Institutional (ICI) sectors of the design and construction industries.

Apprenticeship training increased from 135 groups in 2007-08 to 154 groups in 2008-09. This is in response to the shortage of skilled workers in the construction industry in Manitoba.

The School introduced five-month pre-employment pilot programs in electrical, carpentry and plumbing. These programs will produce entry level workers for the construction industry. The reduced length of the programs will help alleviate wait lists in the trades.

In the 2008/2009 academic year 32 students were admitted to the Electrical Engineering Technology program option. Previously, only 12 students were accepted in this program. The Electrical option enrolment increase goal was achieved by utilizing the department resources better and the utilization of NDC resources efficiently.

The School successfully developed and delivered a Civil Technician Program in Split Lake. Prior to commencement of training, several organizations in the North offered employment to the potential graduates. Eighteen students started the program – ten females and eight males. Fifteen of the students will be moving on to phase two of the program.

Phil Klassen and Hojat Norouzi conducted workshops on renewable sources of energy and wind turbines for the Peguis First Nation Science, Engineering and Technology Symposium at PSC. Twenty First Nation high school students attended these interactive workshops.

Technology Exploration Camps (TEC@RRC) were held at the Notre Dame campus in July. TEC Camp coordinator Tene Hildebrand worked with Civil Engineering Technology staff, to introduce students to a variety of engineering technology fields. The camp was open to boys and girls 11 to 13 years of age. Students explored fun, hands-on technology-based activities while learning to appreciate the importance of science and mathematics.

The Canadian Council of Technicians & Technologists (CCTT) announced the launch of its new national ***GoTech*Girl** initiative at the Canadian Coalition of Women in Engineering, Science, Trades and Technology Conference (CCWESTT), held in Guelph, Ontario. The launch was conducted by Lois Sterner, RET, Past-President of CCTT; Nathalie Emond, CET,

Instructor at Red River College; and Tracey Kucheravy, CET, of Dillon Consulting, a Civil Engineering Technology graduate.

Under the guidance and leadership of instructor Gary Giesbrecht, P.Eng., the Civil Engineering Technology student body collected over 2,000 food items and $500 in Christmas Food Hamper donations. Gary and his son Bryan delivered a large hamper to the department's "adopted family." A large amount of food items collected were also donated to the RRC Students' Food Bank, and a cash donation went to Winnipeg Harvest.

The Electrical Engineering Technology department launched the "Spend-A-Day" program where high school students and teachers are invited to spend one whole day with EET students.

The Civil Engineering Technology department is collaborating with Manitoba Hydro to provide assistance in the development of personnel housing in Gillam through a student research/design competition. This initiative includes the development of applied research possibilities for the College pertaining to construction techniques for extreme condition housing in the North, as well as sustainability of ongoing housing design and research monitoring over an as-yet undefined period of time.

The department adapted a quantitative method to determine the quality of service it is providing. The method is based on a repeatability and reproducibility gauge method widely used in industry.

Alex McIlraith worked with Wanda Voth of Global Precision Inc. to build and test 15 wildlife tracking collars that were shipped to a park in the US for use on large mammals. The devices were designed and built at RRC and used state-of-the-art microcontroller, radio communication and global positioning technology. The circuitry is designed to withstand -40°C temperatures, submersion in water and the severe mechanical stresses imposed while being carried by a large animal. Supporting efforts by Hans Roth, Norbert Pachet, Ray Burns, Sean Duncan and Valerie Mackenzie of EET, members of the carpentry department and Phil Poetker (Poetker Design Inc.) helped to make the deadline achievable. The work was partially supported by a Research Innovation Fund grant.

The EET department was awarded a grant from the Program Innovation Funds to conduct a study into the feasibility of a program in renewable energy.

Apprenticeship programs in the Construction Trades department continued to have a high level (80-95%) pass rate on Red Seal exams.

The Electrical Engineering Technology department was one of the organizers of the Manitoba Robot Games. EET staff and instructors participated to make the event a success at different levels.

Staff Notable Achievements

Rick Hiebert was approved as a Beta Tester for new releases of AutoCAD. This will provide opportunity to preview new versions of AutoCAD almost a year prior to their release.

Dan Larson presented a workshop on cross connection control at the Western Canadian Water and Wastewater annual conference.

Hal Hokanson was awarded the Apprenticeship Instructor of the Year Award.

Several instructors (**Rob Charney**, **Brian Gebhardt**, **Sid Bloomfield**, **Gary Klepatz**) serve on the Skills Canada National Technical Committee for their trades.

Rob Charney and **Steve Evecsyn** presented information on the National Plumbing Code (Inter-Provincial Plumbing Guide) in Saskatoon.

Andrew Roncin, **George Foster** and **Rob Clairmont** completed the CAE program and received their certificates this year.

Alex McIlraith received a SMART Award for his work in developing the electronics in the Shockknife weapon training tool in conjunction with Poetker Design, Inc.

Student Notable Achievements

Structural Engineering Technology student teams placed third and fourth in Zone 7 (International Zone) of the Big Beam Contest, edging out the University of Western Ontario among others. RRC students included (Team #2) **Matt Friesen**, **Stephen Jupin**, and **Brian Mehmel**, as well as (Team #3) **Elaine McDougall**, **Murray Kowerko**, **Cory Pelletier**, and **Matt Awang**. They were instructed and coached by Robin Hutchinson, Ph.D., of Civil Engineering Technology's Structural faculty.

The Canadian Construction Research Board Student Paper Competition awarded the following Civil Engineering Technology students for their Applied Research Projects:

- *Economic Alternatives for Building Energy Efficient Homes* by **Kyle Bacon** and **Daniel Enns**
- *Structural Composite Products from Tonkin Cane Bamboo* by **David Weber** and **Robert Pellerin**
- *Paper Reinforced Retaining Wall with a Rube Goldberg Loading Trigger System* by **Andrew Boboski**, **Colin Cormack**, **Caleb Friesen**, and **Dexter Perol**.

Six senior Civil Engineering Technology students participated in the Great Northern Concrete Toboggan Race (GNCTR) in Red Deer, Alberta. They competed against several other post-secondary institutions in designing, building, and racing their craft. The team earned bragging rights for Best Steering System on the slalom course.

Students received several awards at the 2008 Skills Canada Competition:

- **Joey Brooks** (*Silver in Brick and Stone Masonry*)
- **Travis Wieler** (*Silver in Cabinet Making*)
- **Cornelius Fehr** (*Gold in Carpentry*)
- **Thomas Zinn** and **Konrad Zinn** (*Gold in Landscaping Gardening*)

Students received several awards at the 2009 Skills Manitoba Competition:

- **Shawn Sawatzky, Heinrich Mirau, Valerian Stripling** (*Gold, Silver and Bronze in Brick and Stone Masonry*)
- **Joe Friesen, Scott McNiven, Daniel Pych** (*Gold, Silver and Bronze in Cabinet Making*)
- **Stephen Moore, Jason Siemens, Harold Koop** (*Gold, Silver and Bronze in Carpentry*)
- **Mark Danley, Toni Montanti** (*Gold, Bronze in Plumbing*)
- **John Lyne, Luke Hiebert, Steve Berecz** (*Gold, Silver and Bronze in Refrigeration*)
- **Keith Funk-Froese, Jason Gauthier, Stephen Taillieu** (*Gold, Silver and Bronze in Sheet Metal*)

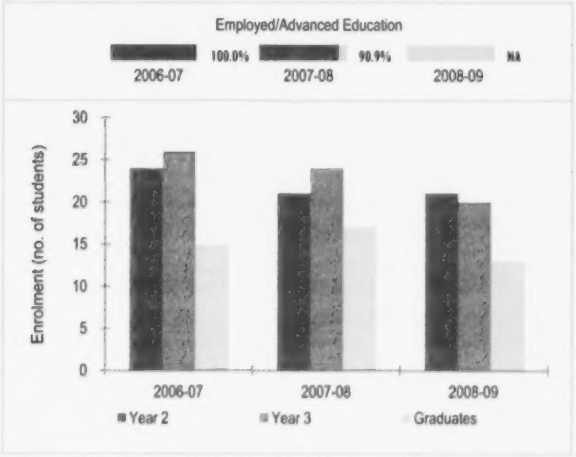
The 2008-09 Lieutenant Governor's Medal winner was:

- **Donna Book Henrie** *Structural Engineering Technology*

The 2008-09 Gold Medal Award winners were:

- **Chris S. Downey** *Electronic Engineering Technology*
- **Michael Shaw** *Greenspace Management*

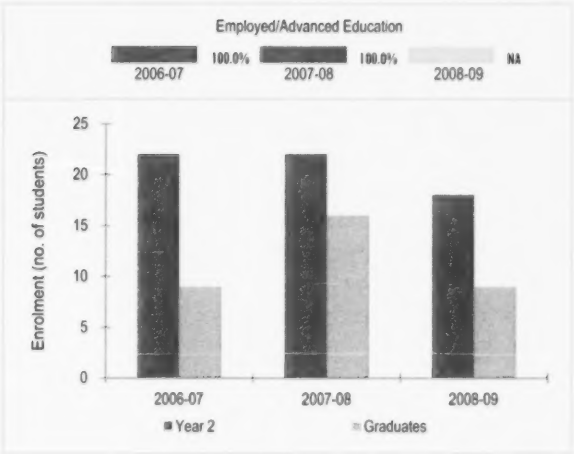
Architectural Engineering Technology



32-month co-op education diploma program

The program trains students to work with the engineering team in the design, detailing and preparation of contract documents for the construction of architectural and related building systems. Graduates have found employment with consulting and mechanical engineers, contractors, fabricators, architects and service industries, as well as with departments of municipal, provincial and federal government services.

Building Design CAD Technology



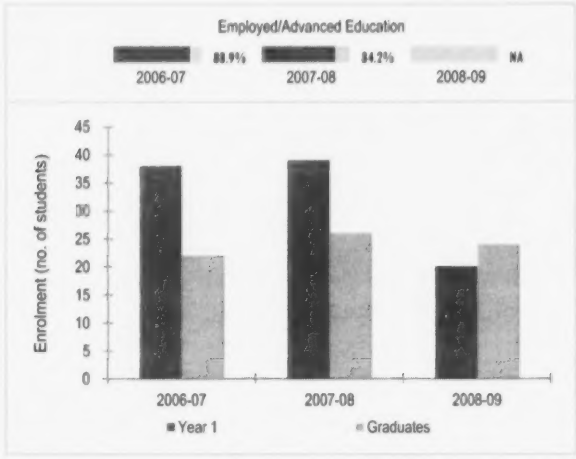
Twenty-month co-op education diploma program

The program builds on the principles of relevance and excellence to equip graduates with expertise in the latest technologies related to engineering construction systems. Building Design CAD Technology graduates are trained in the principles and applications of Architectural and Structural construction systems for careers in: CAD (computer aided drafting), design and construction of building systems, site inspection and supervision, contract administration and project co-ordination, technical sales and support, and building sciences.

Carpentry and Woodworking

One-year certificate program

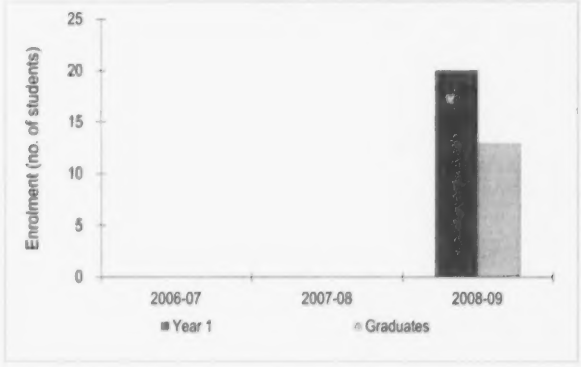
Students acquire the knowledge and skills of carpentry and woodworking required to enter related occupations such as cabinet and furniture making, forming, and sales. Graduates have found employment in commercial construction, house building, factories or cabinet-making shops. Graduates just starting in the trade can enter the apprenticeship program. Graduates who have previously worked in the trade with the required practical experience can apply to write the Provincial Examination under the Apprenticeship and Trades Qualification Act.



Carpentry Five-Month Program

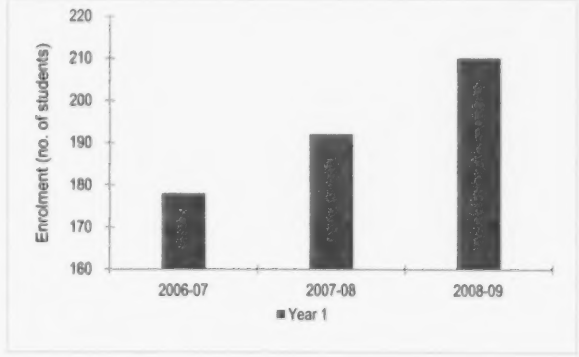
Five-month certificate program

Students develop a knowledge of woodworking machines, blueprint reading and sketching, and safe working practices and a familiarity with the materials and procedures needed to enter related occupations. Graduates acquire practical skills in framing, roofing, and surveying and have some exposure to concrete form construction. Graduates just starting in the trade can enter the apprenticeship program.

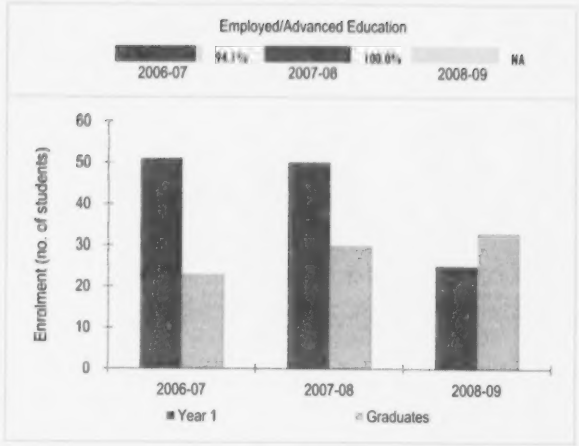


Civil Engineering Technology

Civil Engineering Technology offers a number of programs designed to provide students with career training in construction engineering, environmental protection, geomatics, and CAD technologies, as well as Professional Development courses. All Civil Engineering Technology students are registered in a common first year of academic studies, with a September entry date, where the emphasis is placed on developing generic core competencies.



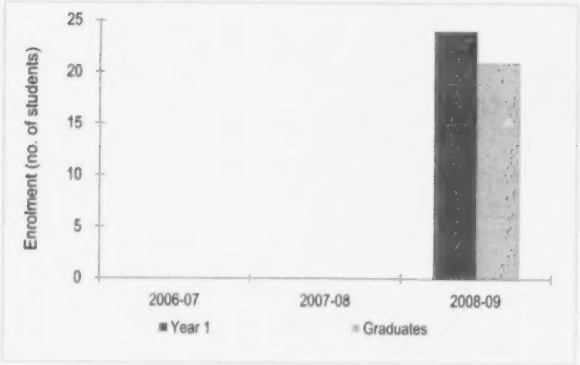
Electrical



One-year certificate program

Students develop skills in house wiring, commercial and industrial wiring and controls, and motor repair. Graduates have found jobs in the electrical industry working with house wiring, commercial and industrial wiring and controls and electric motors.

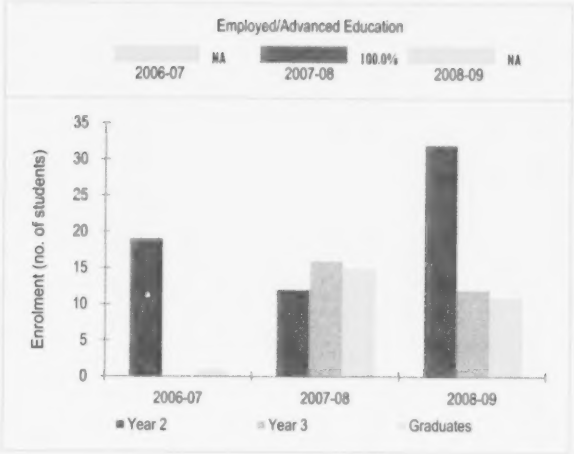
Electrical Five-Month Program



Five-month certificate program

Students of this program develop the knowledge and skills required for employment in the electrical construction industry, public utilities, motor repair facilities, plus manufacturers and distributors of electrical equipment. Graduates have knowledge in the fundamentals of electricity, electrical codes, wiring practices, and trade safety awareness.

Electrical Engineering Technology



28-month diploma program

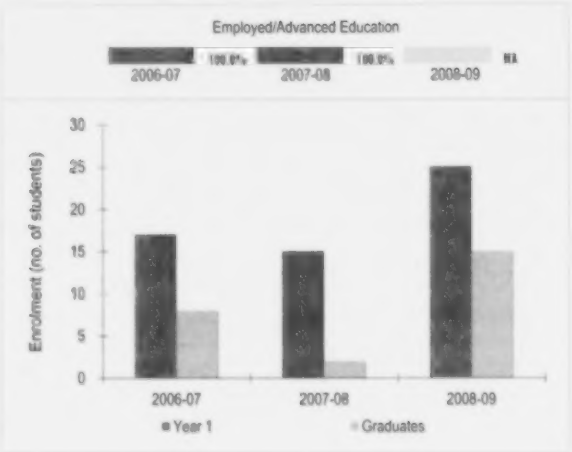
This program trains students to design, construct, troubleshoot and maintain a wide variety of electrical power systems. Graduates find employment at the engineering technologist level in electrical utility systems, consulting engineering, electrical manufacturing, electrical contracting, manufacturing and government agencies.

Note: *The Electrical Engineering Technology program group consists of Electrical, Electronic, and Instrumentation Engineering Technology. Students who successfully complete the first year of studies in Electrical Engineering Technology may remain in their program or transfer into one of the other programs in Year 2.*

Electronic and Network Technician

One-year certificate program

This program develops graduates with a sound knowledge of electrical and digital fundamentals including an expertise in computer servicing, network design, installation and maintenance. Graduates have found employment in automated factories as installer and maintenance staff, as well as medical electronics, computer services and public utilities.

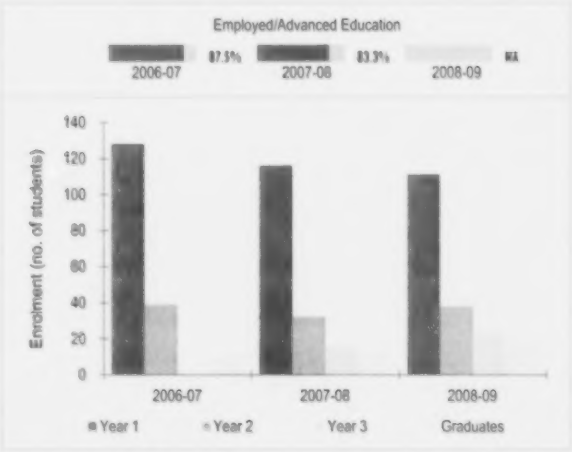


Electronic Engineering Technology

28-month diploma program

This program develops the knowledge and skills required to test, repair and develop a wide variety of electronic systems and equipment. Graduates find employment in a broad range of electronics-related occupations: in research and development; assisting in project development; in technical sales, selling and servicing electronic equipment; and in design and quality control.

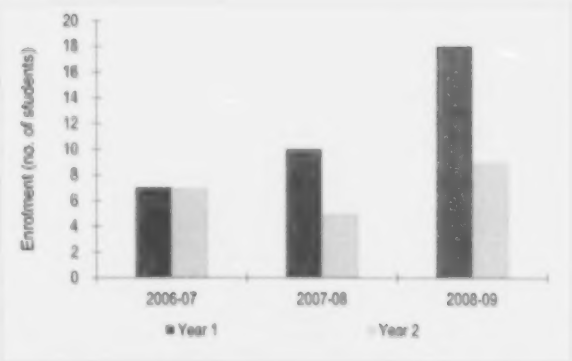
Note: *Electronic Engineering Technology requires one preliminary year of Electrical Engineering Technology studies.*



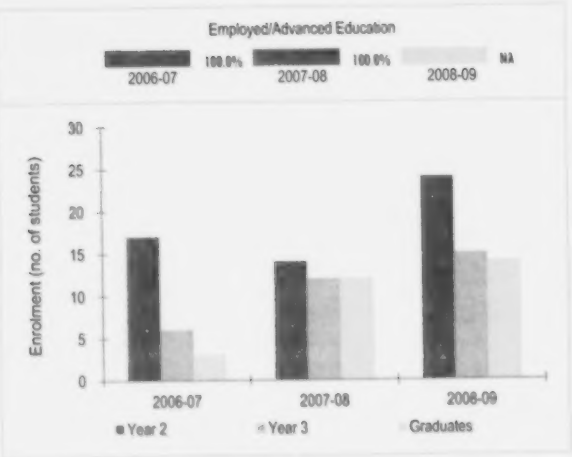
Electronic Engineering Technology Integrated

Three and one-half year diploma program

This program is designed for applicants who do not meet the regular admission requirements of the three and one-half year **Electrical Engineering Technology** program or who choose to take it over four years. The integrated program is designed to provide a broad background so graduates are prepared to enter one of the many challenging jobs in aerospace, communications, manufacturing, healthcare, power and network utilities, or other areas in the electrical/ electronic sector.



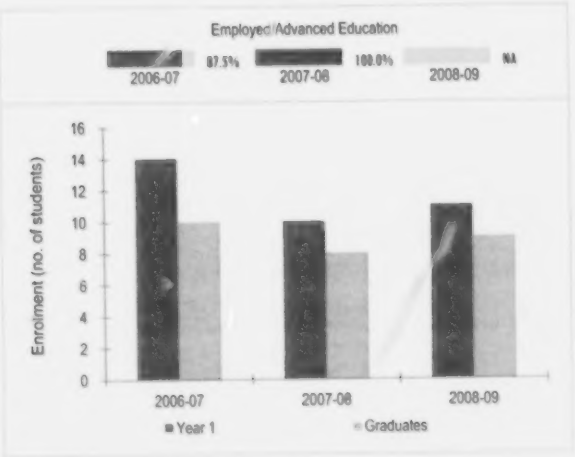
Environmental Protection Technology



32-month co-op education diploma program

Students develop knowledge and skills in the principles and applications of Environmental Protection Technology for careers in waste disposal and water supply, reuse and recycling, workplace health and safety, integrated project management site reclamation, remediation and containment testing, quality control surveying, and global positioning systems and modeling. Graduates find employment with consulting engineering firms, resource-based industries, construction and development companies, inspection and testing agencies, manufacturers, material suppliers, governments and crown corporations.

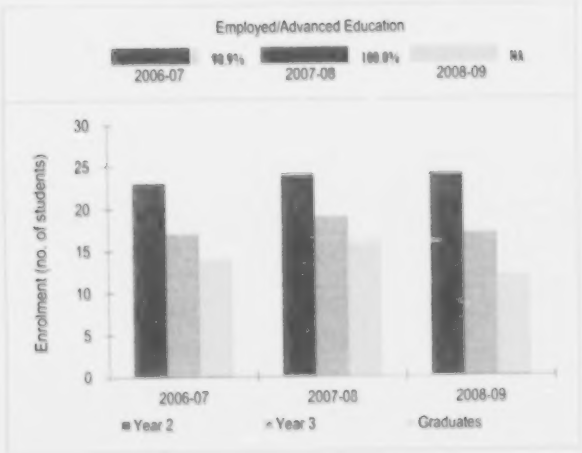
Geographic Information Systems (GIS) Technology



One-year advanced diploma program

This program provides trained technologists and other persons with the technical and conceptual skills in the design, development and implementation of Geographic Information Systems (GIS). Graduates find employment in municipal agencies, resource industries and utilities organizations. An appropriate undergraduate diploma or degree is a prerequisite for entry into this program.

Geomatics Technology



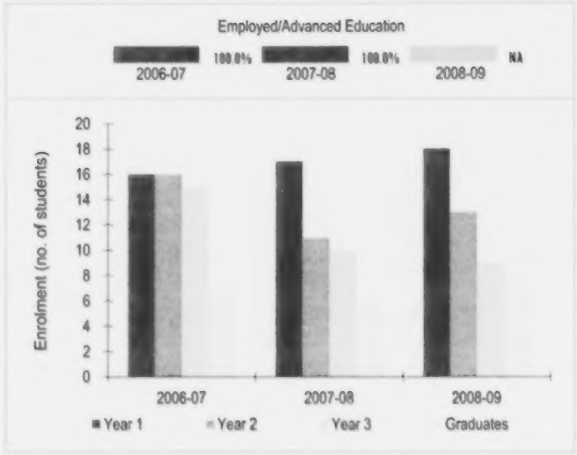
32-month co-op education diploma program

Students obtain knowledge and skills in the legal and engineering surveying fields. Graduates have found employment in a range of construction and resource industries, and in government services. They have been hired for jobs in land surveys, construction and topographic surveys, mining surveys, hydrographic and geodetic surveys.

Greenspace Management

30-month co-op education diploma program

Students develop the knowledge and skills required to construct and maintain greenspaces such as parks, golf courses and cemeteries. The program focuses on turfgrass construction and management, ground construction and maintenance, equipment operation, pesticide application, irrigation systems, horticulture, arboriculture, computers, office management and strategic planning. Graduates find employment in golf courses, departments of parks and recreation, and cemeteries.

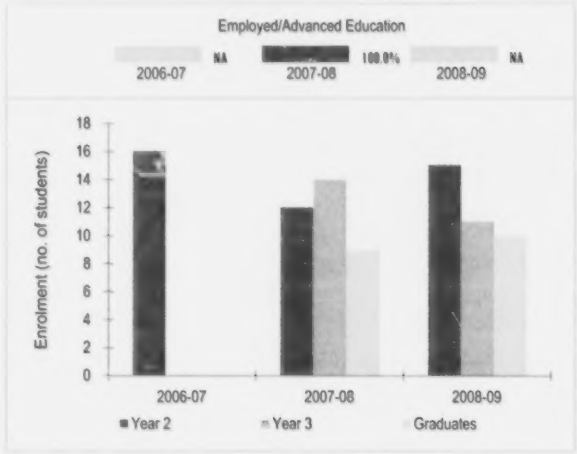


Instrumentation Engineering Technology

28-month diploma program

Students learn to design, construct, troubleshoot and maintain a wide variety of control systems. Graduates find employment as instrument mechanics, working with tools; as instrument technologists in engineering offices; as junior designers; and as technical sales people. Some graduates have moved into management positions.

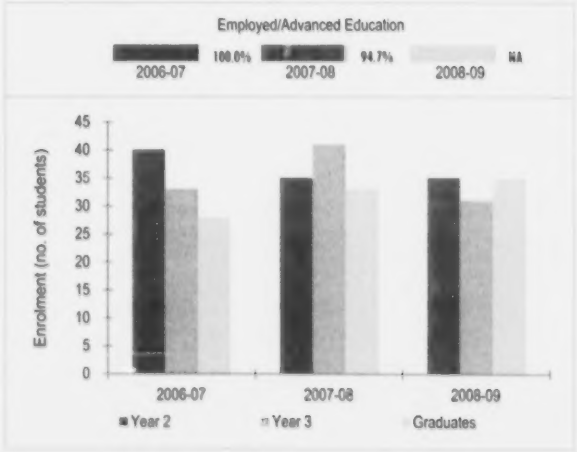
Note: *Instrumentation Engineering Technology requires one preliminary year of Electrical Engineering Technology studies.*



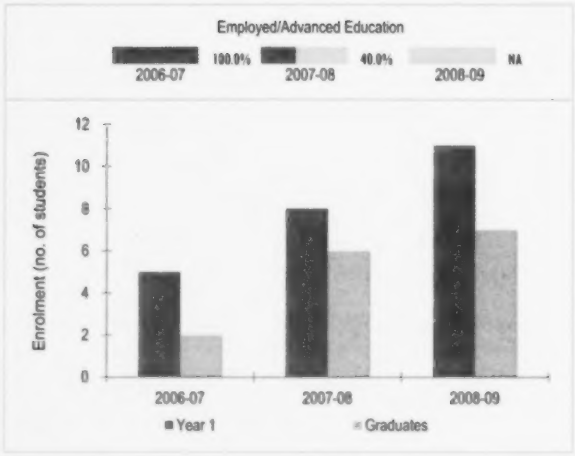
Municipal Engineering Technology

32-month co-op education diploma program

This program develops the knowledge and skills needed to assist in the design and construction of municipal services and roadways. Graduates have found work with consulting and engineering companies, government departments and agencies in the design and construction of sewer and water projects, highway projects, earth-retaining and hydraulic structures. Others are employed in equipment and material sales and in the research and manufacture of construction-related products.



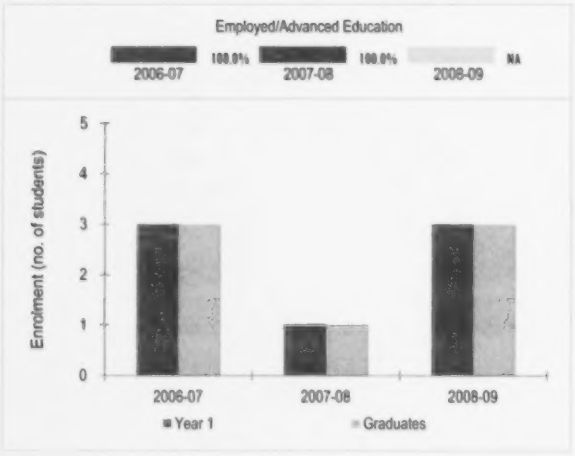
Network Technology (CCNA) Certificate



One-year certificate program

This program is intended for entrants who have worked with computer networks and who have more than a basic knowledge of computer systems. This multidisciplinary program encompasses courses covering a range of topics from windows client and server operating systems, computer hardware, advanced networking, network cabling, Unix, wireless networks, VOIP, and network security.

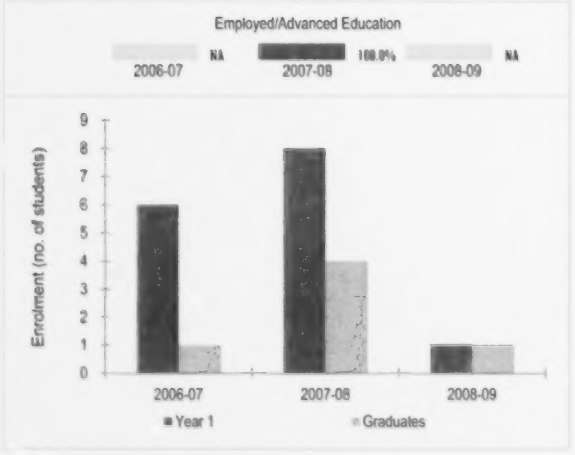
Network Technology (CCNP) Certificate



One-year certificate program

This program is intended for entrants who have worked with computer networks and who are certified as CCNA. This multidisciplinary program encompasses courses covering a range of topics including windows client and server operating systems, computer hardware, advanced networking, network cabling, Unix, wireless networks, VOIP, and network security.

Network Technology (CCNP) Diploma



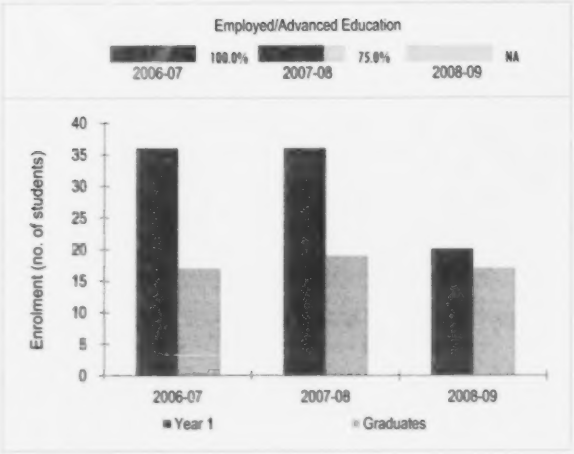
One-year diploma program

This program is intended for entrants who have completed the Electronic and Network Technician certificate program. This multidisciplinary program encompasses courses covering a range of topics including windows client and server operating systems, computer hardware, advanced networking, network cabling, Unix, wireless networks, VOIP, and network security.

Piping Trades

One-year certificate program

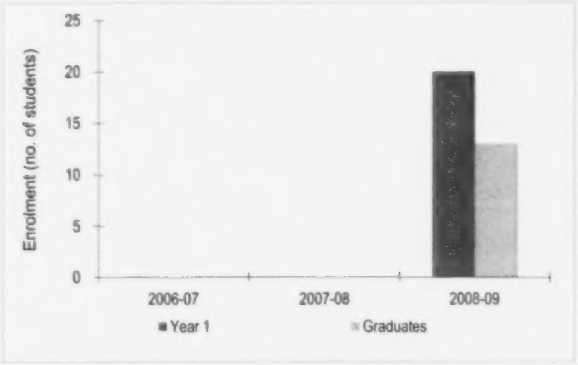
Piping Trades develops the skills needed to install and repair plumbing, steam heating, fire-protection and other piping systems. Graduates have found work with plumbing, heating or fire-protection contractors, or in industrial plants as maintenance people. Some are employed by plumbing and heating wholesale or retail outlets. Others have moved into positions as supervisors, estimators, plumbing contractors and building inspectors, and some are self-employed.



Plumbing Five-Month Program

Five-month certificate program

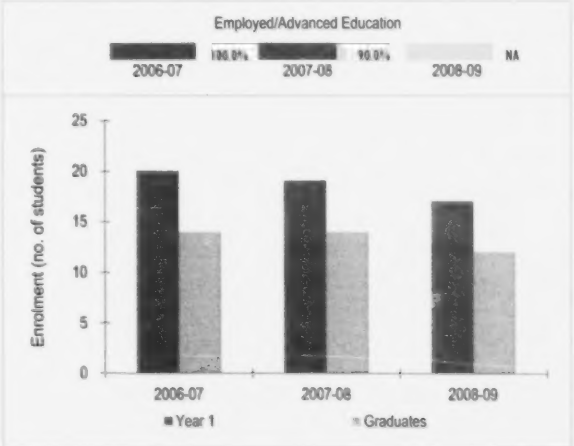
This program provides the knowledge and skills required to install and repair piping systems in residential and commercial buildings. Students learn to install and repair water and waste disposal systems and plumbing fixtures, and to lay out sanitary drainage, venting, and storm drainage systems. Emphasis is placed on the efficient and safe use of tools and materials in accordance with piping, safety and building codes and regulations.



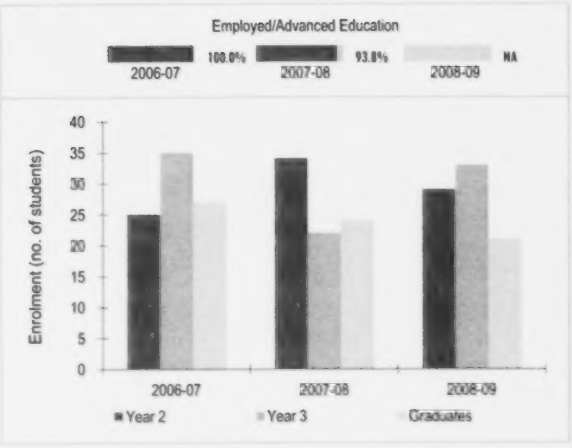
Refrigeration and Air Conditioning Technician

One-year certificate program

This program develops the skills required to install, service and repair commercial and industrial refrigeration and air conditioning equipment. Graduates find employment with refrigeration and air conditioning companies as apprentices or as customer consultants in refrigeration retail stores. Journeypersons work mainly in the construction of cooling plants and cooling cabinets and in the maintenance field for refrigerated vans, hockey rinks, food retailers, air conditioners and industries demanding cold temperatures for their processes.



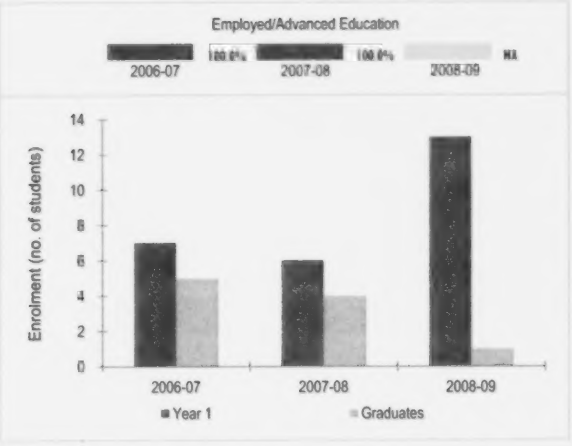
Structural Engineering Technology



32-month co-op education diploma program

This program provides the knowledge and skills needed to work with the engineering team in the formulation and calculations for structural building systems. Graduates have found job opportunities in structural design and inspection with consulting engineering firms, contractors or government departments.

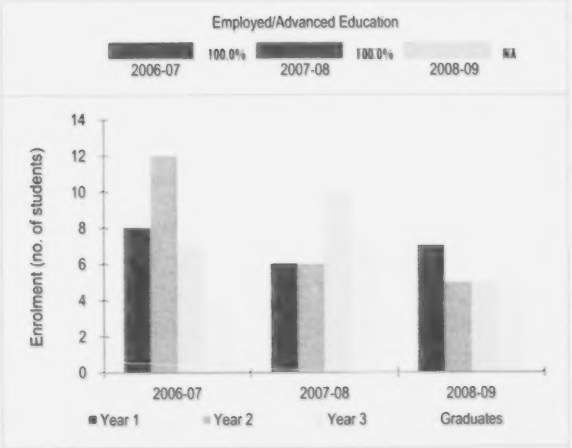
Wood Products Manufacturing - Certificate



Thirteen-month certificate program

This program develops the knowledge and skills required to operate basic wood processing machinery and tools. Graduates find employment in the wood processing industries as wood machinists, cabinet-makers, assembly-line workers and in sales and supply of wood products.

Wood Products Manufacturing Technology - Diploma



32-month co-op education diploma program

This program develops the knowledge and skills required to operate basic wood processing machinery. The program focuses on wood science, computer operation, CAD/CAM, basic jig and fixture design, machining, woodworking techniques, CNC machine operation and programming, cost estimation and supervisory management. Graduates find employment in the wood processing industries as wood machinists, cabinet-makers, supervisors, shop managers, product designers, CAD/CAM operators/programmers, in sales and supply of wood products and in estimating.

School of Health Sciences & Community Services

Dean Louise Gordon
Room A134, Phone 632-2215,
Email lgordon@rrc.mb.ca

This School consists of four departments: Community Services; Health Sciences, Life Sciences; and Nursing. These departments provide joint baccalaureate, advanced diploma, diploma and certificate programs. As well, the School is involved in a number of community and health service education partnerships with external agencies.

School Highlights

In an effort to increase accessibility to rural students the Early Childhood Education Workplace Program was video-streamed to the Steinbach, Winkler, and Portage campuses. Provincial government support has enabled students to pay the same tuition as on campus students for this training. They also receive their salaries while attending school as do the on-campus ECE Workplace students. This is a part of the Province's strategy to address the shortage of licensed Early Childhood Educators in Manitoba.

Health Care Aide (HCA) student numbers increased to 50 per class, after several years of significant under-registration in the program. Forecasts suggest that the program will likely meet capacity and could have wait lists in the next couple of years. The development of an RPL process for Health Care Aides is nearing completion and should be functional by the next academic year.

The Nursing Department was given approval to begin a new Bachelor of Nursing program in September of 2010. The program will be modeled as a four-year degree, but by using a longer academic year it will be delivered over three calendar years.

A partnership was developed with the Centre for Aboriginal Human Resource Development that saw students from that agency enter the Joint Baccalaureate Nursing program at RRC.

The Community Services Department continued to be highly engaged with the Aboriginal community, participating in four community-based programs:

- The Aboriginal Child Support Helper program in partnership with Wahbung.
- Year 1 of the Child and Youth Care program in partnership with Ndinawe.
- Year 2 of the second delivery of the Early Childhood Education program in North Point Douglas in partnership with Sistars.
- Curriculum support and certification of the Family Support Worker/FASD certificate program at Urban Circle.

Health Canada, representing both on and off-reserve groups, contracted with Community Services to deliver Early Childhood Education training in both Winnipeg and The Pas for Aboriginal Head Start employees. Students are brought in from around the province for intensive one-week sessions that take place several times over the winter.

A meeting for the "Bridge to Biotech" project was held with the Life Sciences Association of Manitoba and Employment Manitoba. When funded, the Bridge to Biotech project will provide essential skills and basic science upgrading in preparation for employment in the pharmaceutical manufacturing industry.

An "opportunity fair" was held in partnership with Ndinawe for people who have been street-involved and are looking for educational opportunities.

After approximately a year of planning by multiple stakeholders including the Manitoba Departments of Advanced Education and Literacy; Health; and Labour and Immigration; the College of Registered Nurses of Manitoba; the Health Sciences Centre; the RRC Language Training Centre; and the RRC Nursing Department, the "Bridging Program for Internationally Educated Nurses (BPIEN)" was successfully implemented in 2009. The success of the first offering has resulted in two further offerings slated for the 2009-10 year, with permanent funding for the program within the department a distinct possibility.

The Nursing Department participated in the CAMEXUS project. Two colleges in Canada (SIAST and RRC), two universities in Mexico and two colleges in the US are involved. The purpose of the project is to increase awareness and mobility among North American nursing education programs. In the spring of 2009 four RRC students and one instructor spent four

weeks at Forest Park Community College in St. Louis, and in June three students and one instructor from Lone Star College in Houston spent three weeks at RRC. The Mexican Exchange will occur in the spring of 2010.

The *Science of Early Child Development (SECD)*, the online multimedia curriculum resource developed by the ECE program in partnership with the Atkinson Centre for Society and Child Development at UToronto continued to generate interest in Canada and around the world. Currently there are two editions – a 2nd edition with a Canadian perspective and an International edition, recently developed with World Bank support, focused more on global issues related mostly to developing countries.

- The Community Services department was invited by the Aga Khan Foundation to present SECD at a Program Learning meeting in Bishkek, Kyrgyzstan, at a meeting with CIDA officials in Ottawa, and at the Foundation's headquarters in Geneva.
- The Association of Universities and Colleges of Canada provided a grant to do SECD training sessions with the International Step by Step Association in Belgrade, Serbia.
- A two-year agreement is in place with BRAC University in Bangladesh to develop and deliver courses based on SECD.
- Some of the program's video clips of researchers and children have been repurposed by TV Ontario for use on their website for parents and by the University of South Australia in online courses.

Two ECE instructors, Jamie Koshyk and Marc Battle developed a promising video training tool, Training the Eye. It consists of a series of edited video clips which follow the development and friendship of two children over a year in a childcare setting. Training the Eye provides an evocative lens on children's experience through the eyes of an Early Childhood Educators and will be used to help students become careful and thoughtful observers of children's behaviour. Training the Eye is currently being piloted in the ECE program.

The Life Sciences Department provided an Immunology course to 80 employees of Cangene Corporation under a contract training arrangement.

Professional accreditation or approval was received for the following programs:

- MRI/S Training Program received a six year accreditation status.
- The Dental Assisting program received full accreditation for its program from the Commission on Dental Accreditation of Canada. The certificate of approval is valid until 2013.
- The Diploma Nursing Accelerated (DNA) program was approved to 2012.
- A special one-time only intake of LPNs to the DNA program was approved for 2011.
- The BPIEN Program was approved.

The Paramedicine - Primary Care Paramedic program developed a unique model of teaching using interactive online-streamed lectures at three rural/northern locations.

The RRC Nursing department continued to participate in a province-wide project to put together a document addressing requisite skills for individuals interested in pursuing nursing as a career. The focus is on general skills, and includes physical, cognitive and psychosocial abilities.

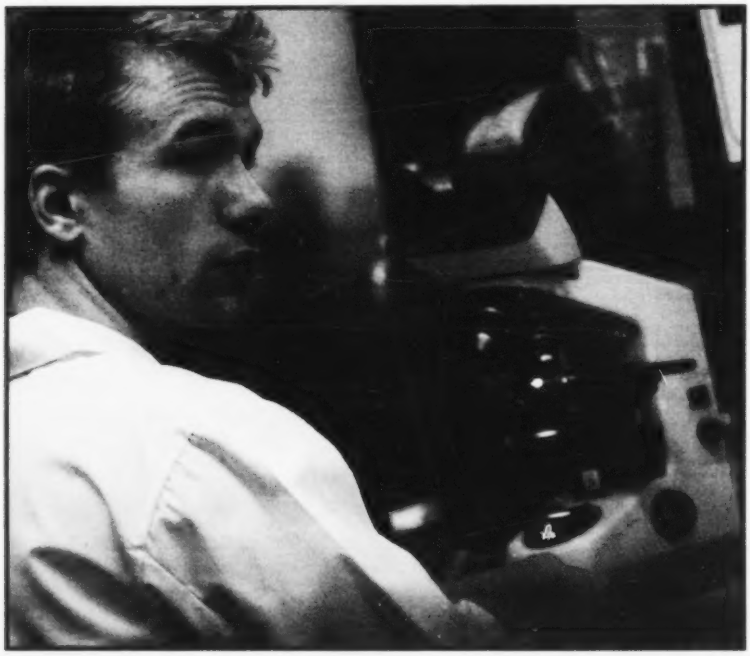
Three programs in the School participated in the Enhanced Student Support project: Medical Laboratory Sciences, Early Childhood Education and Animal Health Technology. Students in these programs were assessed in reading, math, problem solving skills and based on the results were offered customized tutorial support to increase their likelihood of remaining in the program.

The School is developing an agreement with the Louis Riel

Technical Institute to deliver the first semester of the Early Childhood Education Program over a one year period in that setting. Students could then enter the second semester of the full-time program on campus.

Med Lab Science students wrote the national exams and passed at a rate of 84% - higher than the national average.

The Nursing ACCESS Program continues to provide approximately 1/4 to 1/3 of the Year One JBN students, and will continue in that role with the new BN Program. Discussions have begun with the access staff on what changes might be required in their nursing programming to prepare their students for the new BN.



Articulation agreements were reached with the following institutions:

- The University of Manitoba will provide almost two full years of course credit toward a Family Social Sciences degree for graduates of RRC's Early Childhood Education program.
- NAIT will provide two years of credit toward a Bachelor of Technology for graduates of RRC's Medical Laboratory Science and Medical Radiologic Technology programs.
- Thompson Rivers University will provide two years of credit toward degrees for graduates of several different RRC programs.

Staff Notable Achievements

Louise Gordon chaired a Canadian Medical Association accreditation team reviewing the MRI program at the Michener Institute in Toronto, and was nominated to sit as one of two national Education representatives on the Canadian Medical Association's Conjoint Committee on Accreditation.

Louise Gordon was appointed to the board of the Winnipeg Humane Society, was reconfirmed as Vice-President of the Canadian Association of Allied Health programs, and continued as the community college representative on the Canadian Association of Medical Radiation Technologists' Education Advisory Committee.

Jamie Koshyk presented the Science of ECD at the Association of Early Childhood Educators of Ontario in Sault St. Marie.

Debbie Parrish and **Janet Jamieson** travelled to Bangladesh in June to work with partners at BRAC University on developing courses based on Science of ECD.

Mia Elfenbaum presented the Science of ECD at the Equity from the Start, Council ECD National Conference in New Brunswick, at the Early Childhood World Forum in Belfast and to the Early Development Institute in Los Angeles, at Ryerson University, and at the Bow Valley College Early Learning and Child Care Initiative Meeting in Calgary.

Marc Battle (ECE) was the keynote speaker at several conferences in Manitoba and also at one in St John's, Newfoundland. Marc also published an article on Symbolic Play in Today's Parent and one in a New Zealand journal 'Space'. Marc also did numerous workshops in symposia and conferences around Manitoba and is in high demand as a speaker on topics such as Play, Nature Playgrounds and Men in Childcare.

Dawne MacKay-Chiddenton and **Kelsey Shay** (CYC) presented a workshop highlighting the experiential Child and Youth Care Program at the National Child and Youth Care Conference in Charlottetown.

Deborah Gural and **Susan Claire Johnson** (CYC) delivered a presentation at the International Child and Youth Care Conference in Florida on their research project, Evaluation of Child and Youth Care Student Volunteer Efforts in Post-Hurricane Katrina which was funded by the Research Innovation Fund (RRC).

Sue Narozniak, Marc Battle, Melanie D'Souza, Mia Elfenbaum, Brian Harrison, Jamie Koshyk, Bev Snell, and Karen Troughton (ECE) all led sessions at the joint Manitoba Child Care Association and Canadian Child Care Federation Conference held in Winnipeg.

Debbie Parrish, Dale Stadnyk, Doris Prive-West and **Marc Battle** (ECE) also presented at the national

Reggio Inspired Care and Education Conference held in Winnipeg.

Suzanne Narozniak (ECE) co-taught the Reggio Emilia summer Institute at the University of Manitoba in August.

Janet Jamieson (Chair) joined the national committee of the Association for Canadian Community Colleges ECE Affinity Group, the Advisory Board of Manitoba Healthy Child and the Steering Committee for the Child Care Human Resource Sector Council's Feasibility of Developing Curriculum for Child Care Administrators project.

Armenia Evaristo, coordinator of Dental Assisting program, was appointed the Manitoba representative on the National Dental Assisting Examining Board (NDAEB). The NDAEB is responsible for clinical practice evaluations as well as written examinations.

Andy Burzynski continued to be a member of the Canadian Environmental Certification Approvals Board.

Said Hassan, Pharmaceutical Manufacturing, received a Program Innovation Fund (PIF) grant to conduct a feasibility study on the use of multimedia in interactive content delivery for the Pharmaceutical Manufacturing program.

Marie Killbery attended the National Dental Assisting Examining Board Facilitator's Workshop in Ottawa. Marie is the facilitator for the clinical practical examinations in Manitoba.

Marie Killbery, Dental Assisting, was a Surveyor with the Commission on Dental Accreditation of Canada for the Dental Assisting program in Windsor, Ontario.

Michael Judge, instructor in Chemical and Biosciences Technology, was successful in his application for the Program Innovation Fund project entitled "Flash Animation to Improve Classroom and Internet Course Delivery".

Judi Lidstone was presented with the Colin Maxwell Award by the Manitoba Association of Medical Radiologic Technologists for long-term activity and support of the profession.

Nursing instructor **Nancy Ball's** on-line Nursing Health Assessment course was recognized as a Blackboard Exemplary Course for 2009 by the Blackboard Executives.

Anatomy & Physiology (A & P) instructor **Jason Taylor** authored the 9th edition of the A & P text "*Memmler's Structure and Function of the Human Body*" and the 11th edition of "*Memmler's Human Body in Health and Disease*".

For the second time in less than ten years, **Jason Taylor** was awarded the Teaching Excellence Award by the RRC Student's Association. Jason received the award at the June convocation.

Nursing instructor **Diane Clare** wrote the chapter on *Documentation and Reporting* for the recently published 2009 Canadian edition of Fundamentals of Nursing by Kozier and Erb. Diane also contributed to the on-line learning guide and exam bank that accompany the text.

Student Notable Achievements

Sonia Nadeau, an ECE - Workplace student, has just illustrated her second book called Mary's Atlas: Mary Meets Manitoba, by Gwen Smid. McNally Robinson has listed Mary's Atlas as a top seller. Because of the huge success, she will be illustrating upcoming books for the rest of the provinces and territories.

Other ECE student awards include **Maja Aziraj**, recipient of the Canadian Association for Young Children MB Bursary and the Frances Evers bursary, **Amanda Still**, recipient of the 70th anniversary award, and **Selena Kern** who received the Our Children, Our Ways award.

Two students received RRC 70th Anniversary Awards.

They were **Ken Fakharuddin** from Chemical and Biosciences Technology and **Jaimie Collignon** from Animal Health Technology.

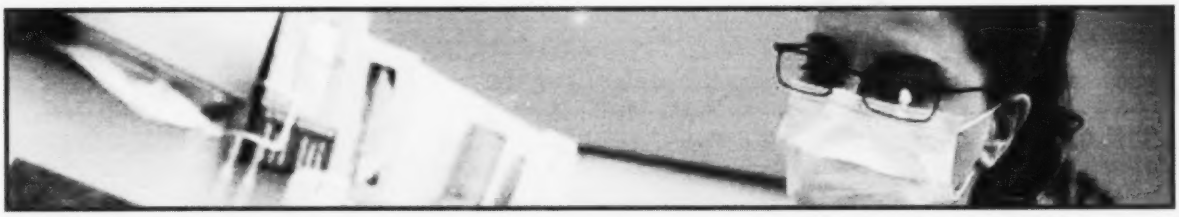
Roxann Gardiner, Medical Laboratory Sciences (2nd year), received a Millennium Scholarship.

The 2008-09 Lieutenant Governor's Medal winners were:

- **Denise Grossman** *Chemical and Biosciences Technology*
- **Karla Leanne Schultz** *Early Childhood Education*

The 2008-09 Gold Medal Award winners were:

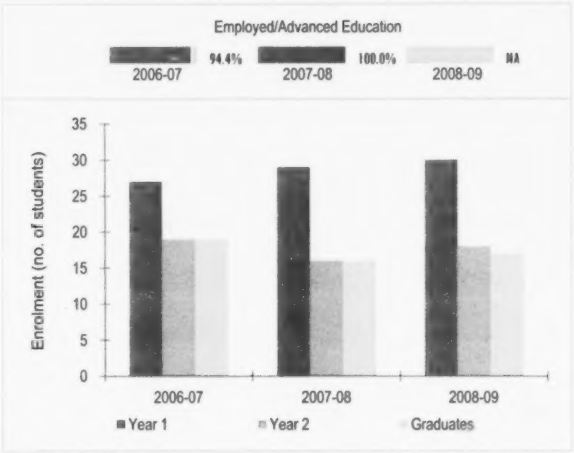
- **Janna Lyn Alblas** *Diploma Nursing (Accelerated)*
- **Nicole Evans** *Medical Laboratory Sciences*
- **Teresa Ferreira Bras** *Early Childhood Education*
- **Jackie Friesen** *Child and Youth Care*
- **Denise Grossman** *Chemical and Biosciences Technology*
- **Sarah Hauptkorn** *Disability and Community Support*
- **Maria Munoz** *Animal Health Technology*
- **Dayna Rey Wlasichuk** *Medical Radiologic Technology*



Animal Health Technology

Two-year diploma program

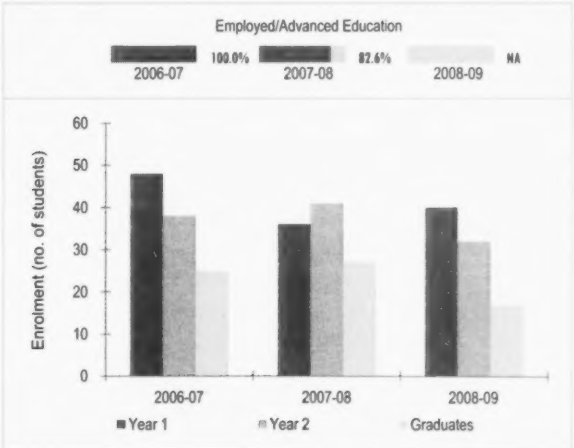
This program educates students to develop the knowledge and skills required to be a member of the animal health care team. Graduates find employment in private veterinary practices, farm production units, research laboratories, zoological collections and the federal or provincial governments.



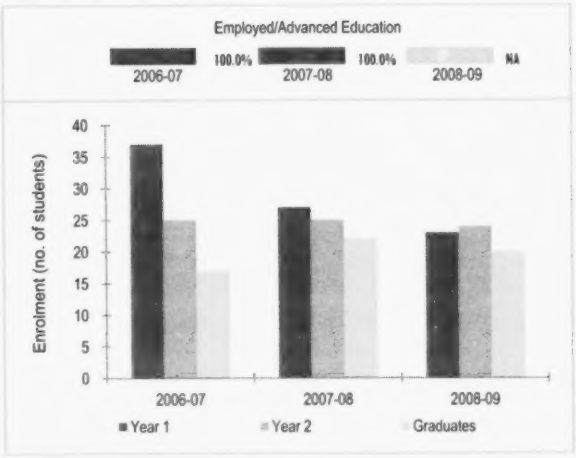
Chemical and Biosciences Technology

Two-year co-op education diploma program

On completion of this program, students will have the knowledge and skills required to work as technologists in the chemical/life sciences fields. Graduates find employment as technologists in the following areas: analytical analysis, research, quality assurance and biotechnology.



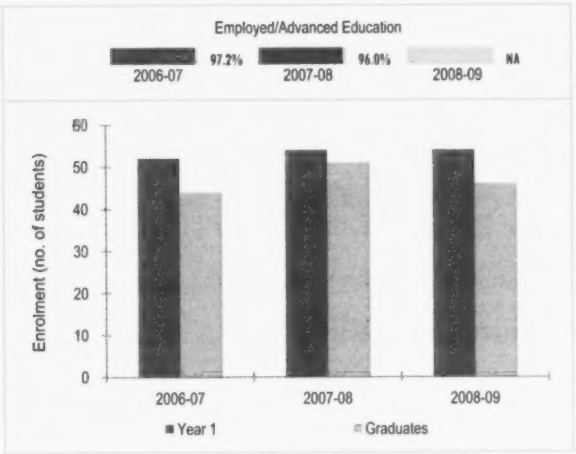
Child and Youth Care



Two-year diploma program

This program provides the skills to enable practitioners to help children, youth and their families develop their strengths and skills to identify and resolve concerns that occur in their lives. Child and Youth Care practitioners work in a wide range of settings with children and youth experiencing behavioural and/or emotional difficulties. The need for child, youth and family support expands in response to the multiplicity of social and economic issues affecting communities.

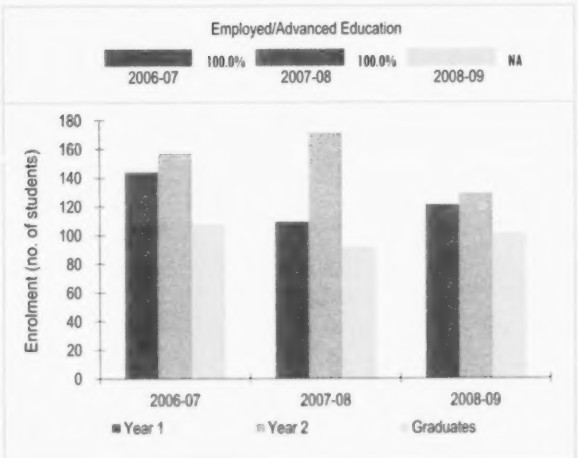
Dental Assisting - Level 2



One-year certificate program

This program is designed to develop the skills required to assist dentists in all dental procedures, mixing materials and preparation of instruments, operatories and patients. Graduates find employment in private dental offices, large clinics and in government public health programs.

Diploma Nursing (Accelerated)



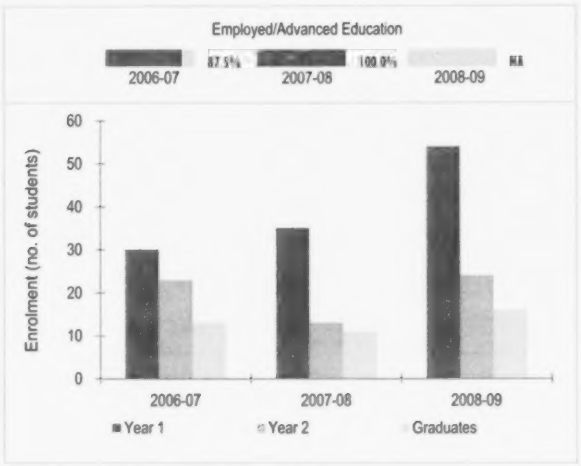
Two-year diploma program

The Diploma Nursing (Accelerated) [DNA] Program is a 25-month continuous program. On successful completion of the program, graduates are awarded a Diploma in Nursing from Red River College and are eligible to write examinations to become members of the College of Registered Nurses of Manitoba and use the designation "Registered Nurse". Registered Nurses graduating from a diploma program focus on promoting health and caring for those already ill. They provide services to individuals and families in many settings, but primarily in health care institutional settings.

Disability and Community Support

Two-year diploma program

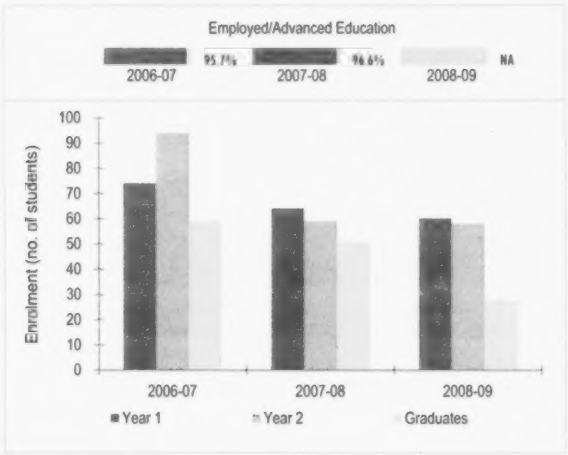
This program provides the knowledge and skills required to provide quality assistance to individuals with an intellectual disability living in the community. Positions may be found in community residential settings, employment-related programs, and developmental and educational services.



Early Childhood Education

Two-year diploma program

The purpose of this program is to equip students with the knowledge and skills required to provide quality child care in the community. Graduates find employment working with young children in a variety of child care centres.

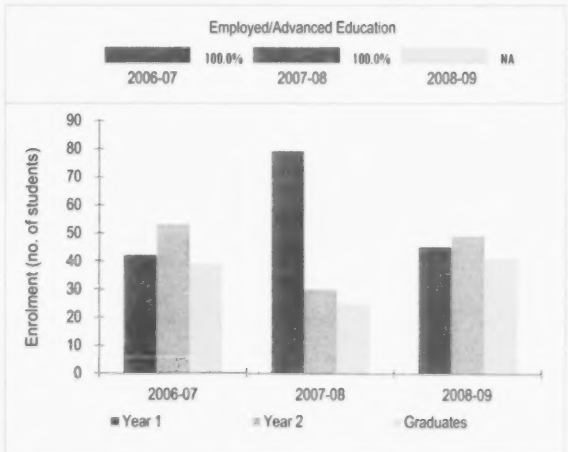


Early Childhood Education - Workplace

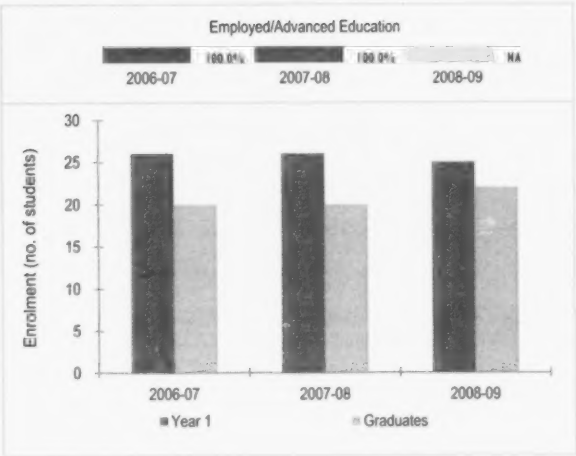
Two-year diploma program

The purpose of this program is to equip students who are already in the workforce with the knowledge and skills required to provide quality child care in the community. Students attend classes at Red River College two days a week and work at their current employment for three days a week. Graduates competently plan appropriate learning experiences that stimulate the intellectual, physical, emotional and social development of young children

Note: *Students entering second year will graduate in the following academic year.*



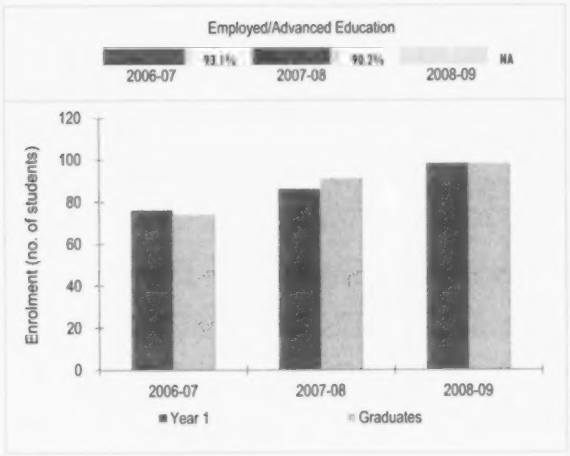
Family Support Worker - FAS/E



Nine-month certificate program

The purpose of this program is to train practitioners to have a wide range of skills including assessment, advocacy, communication, referral and parenting skills. This program is delivered in partnership with Urban Circle.

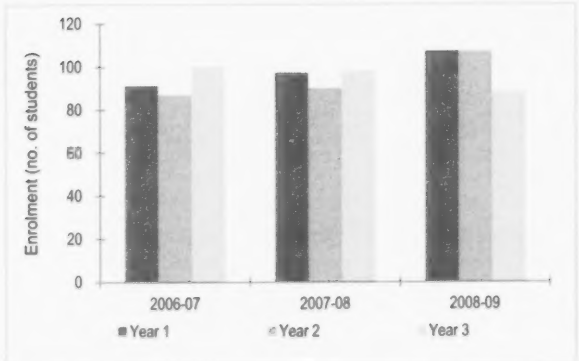
Health Care Aide



Five-month certificate program

This program is designed to prepare students to become health care workers who, under the supervision of a nurse, assist hospital patients, personal care home residents, or home care clients with meeting their physical, emotional and social needs. Graduates find employment in hospitals, personal care homes, and community or home health care agencies.

Joint Baccalaureate Nursing



***Note:** Students graduate from the University of Manitoba.*

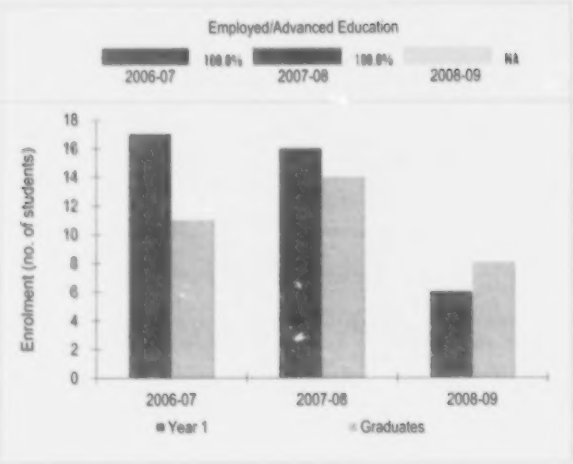
Joint four-year degree program

This program is a four-year program offered in partnership with the University of Manitoba (U of M). The students take the first three years of the program at RRC and the fourth year at the U of M. On successful completion of the program, graduates are awarded a Bachelor of Nursing Degree from the U of M, and are eligible to write examinations to become members of the College of Registered Nurses of Manitoba and use the designation "Registered Nurse". Registered Nurses graduating from a degree program focus on promoting health and preventing illness, and caring for those already ill. They provide services to individuals, families and communities in institutions, clinics, private homes and a broad range of other settings.

Magnetic Resonance Imaging and Spectroscopy

Nine-month advanced diploma program

This advanced program teaches proficiency in producing high quality images and optimal utilization of MRI equipment. Graduates are prepared to write the National Certification examinations and are also prepared in basic spectroscopy. This is a partnership program with the Institute of Biodiagnostics at the National Research Centre and clinical sites.

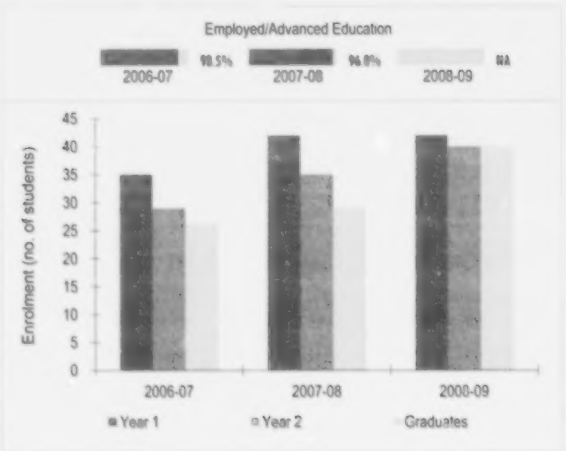


Medical Laboratory Sciences

Two-year diploma program

This program is designed to provide the academic foundation and supervised practical experience to develop the required skills in 5 sub-specialty areas for working in a medical laboratory environment.

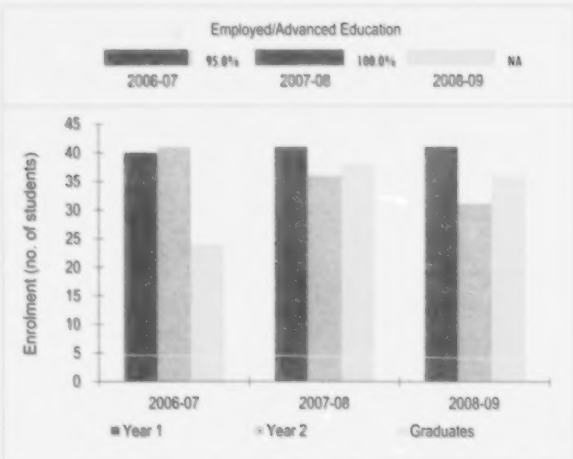
Graduates find work in hospitals, other health care facilities, private and government labs and Canadian Blood Services.



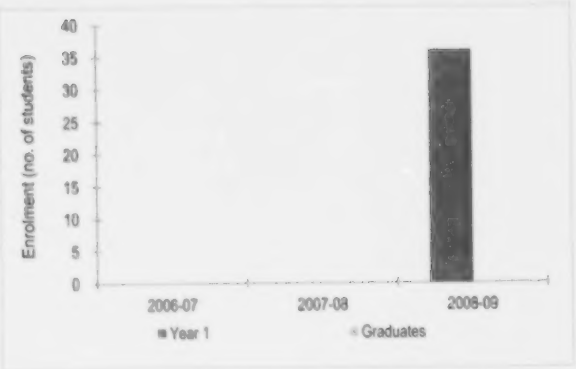
Medical Radiologic Technology

Two-year diploma program

The purpose of this program is to develop proficiency in the management of patients and the safe operation of x-ray equipment. Graduates find employment in hospitals and medical clinics. Some are working in related teaching and research, while others are employed as technical advisors or representatives for x-ray equipment and supply manufacturers. Graduates may choose to further their training in magnetic resonance imaging and ultrasound programs.



Paramedicine - Primary Care Paramedic

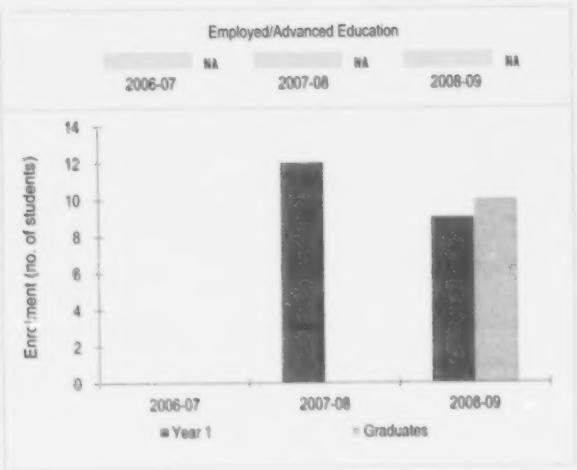


One-year certificate program

This program provides students with the academic and clinical experience to develop the required skills to work in the exciting and challenging field of emergency medical services.

This program is based on the national occupational competency profile for Paramedicine - Primary Care Paramedic, and supports employment opportunities in rural and northern Manitoba.

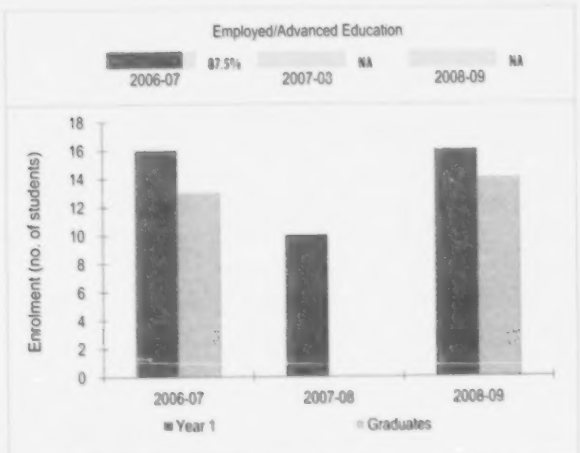
Pharmaceutical Manufacturing



Eight-month certificate program

Pharmaceutical Manufacturing provides pharmaceutical manufacturing skills such as documentation, safety and cross contamination prevention, milling and blending of powders, tablet compression, and pass/fail criteria. Graduates are employed as production technicians with Manitoba's regulated pharmaceutical manufacturing companies.

Quality Assurance/Quality Control (QA/QC) in the Pharmaceutical Industry



One-year advanced diploma program

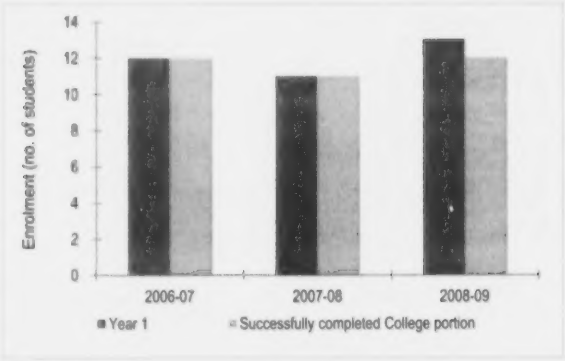
This program will provide instruction in the concepts of working in a manufacturing environment controlled by regulatory agencies. As a QA/QC specialist, a graduate will be eligible to work in Good Manufacturing Practices (GMP) regulated laboratories or GMP regulated pharmaceutical manufacturing companies in quality control laboratories or in quality assurance, as well as in International Standards Organization (ISO) or Good Laboratory Practices (GLP) regulated laboratories.

Radiation Therapy

Two-years

This program develops the knowledge and skills required to work in the treatment of cancer by use of ionizing radiation. Graduates find employment in cancer treatment centres in Manitoba and across Canada.

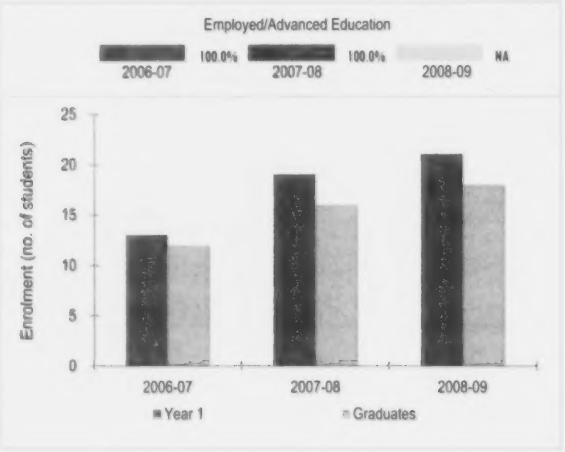
Note: *Students complete 15 weeks at RRC. The remainder of the two years is completed at clinical and hospital sites across Manitoba and Saskatchewan.*



Rehabilitation Assistant

Joint one-year certificate program

This program, offered jointly by RRC and Winnipeg Technical College, prepares students with the knowledge and skills necessary to provide rehabilitative care to clients and families under the supervision of a licensed rehabilitative therapist (i.e. Physical Therapist, Occupational Therapist, Speech and Language Pathologist). Graduates are employed in a variety of areas including health care facilities, schools and other organizations providing home therapy service.



School of Indigenous Education

Dean Marti Ford
Room F116, Phone 632-2534,
Email mford@rrc.mb.ca

The School offers a number of strategic programs and services designed to assist students from various backgrounds to be successful in all areas of the College. An important focus has been co-operative work with the Aboriginal community. The School continues to improve programming and supports for Aboriginal (First Nation, Metis and Inuit) students and to improve services to Aboriginal communities by partnering with organizations and agencies in providing community-based education programs.

This School includes the Aboriginal Education/Program Development and ACCESS Programs department, and the Aboriginal Student Support and Community Relations unit.

School Highlights

RRC staff traveled to Thompson to meet with Vale Inco and the Northern Sector Council to discuss an education plan they are creating to fill the skills shortage.

Meetings were held with Stevenson Britannia Adult Learning Centre to discuss a joint partnership, including reciprocal supports for current and potential students, and a strategy to mentor and transition potential students to RRC.

The Dean met with Jim Caron, Indian and Northern Affairs Canada, Assistant Deputy Minister, to discuss our supports to Manitoba's urban Inuit, our programs, and accessing additional funds to help students from Nunavut relocate to Winnipeg.

RRC partnered with ArrowMight Canada to provide a pilot Literacy Program at Brokenhead, Black River and the National Indigenous Literacy Association (Winnipeg). Several training sessions have taken place for program facilitators. ArrowMight is conducting research based on the success of the pilot. Colleges in BC, Alberta, and Ontario are also involved in the pilot.

The Community-based Introduction to Trades program was held in Fisher River/Peguis First Nations with the aid of the Mobile Training Labs. Eighteen students successfully completed the program. A second session took place with the Interlake Metis Association.

The Community Development/Community Economic Development program instructors completed an extensive review of the program using the last DACUM and the community advisory group as a guide. We continue to work closely with the inner-city community to receive feedback on the program.

Ka Ni Kanichihk contracted with RRC to run the Computer Applications for Business Program for another year. They are also completing a full review of the community-based program with an independent contractor.

The Community Centered Therapy Program ran its first two sessions, with 31 students in total.

Staff continued to increase awareness of RRC's programs and supports for Aboriginal students by attending more career fairs and conferences, and conducting more presentations and community visits than any previous year.

Knowledge Metrics completed a report based on the Community Forum for the School of Indigenous Education. This report became the starting base for discussions and development of a committee to support the Strategic Plan in Advancing Aboriginal Education.

RRC and the Treaty Commission of Manitoba signed a Memorandum of Understanding at the 9th Annual Graduation Pow Wow. This agreement will lead to enhanced treaty education for students at RRC.

We continued to offer the Enhancement Year Program in Fisher River Cree Nation. Students begin their program in their home community and are later accompanied to Winnipeg with community support to transition to RRC. This program maintains a high success rate.

The School of Indigenous Education consulted with Information and Communication Technologies Association of Manitoba (ICTAM), Aboriginal Leadership Institute, Winnipeg Regional Health Authority and Business Development Bank of Canada about various partnership opportunities including

scholarship support, program funding, employment and training arrangements and consulting services.

The Dean travelled to Temuco, Chile to participate in the graduation of our International students in the Indigenous Education and Training Program which completed the five year program in partnership with RRC, the Association of Canadian Community Colleges (ACCC) and Corporation Nacional de Desarrollo Indigena (CONADI).

The School of Indigenous Education was invited to participate in the 1,000 Women project in partnership with ACCC and the Ministry of Education in Brazil. The Dean presented a five-day workshop to program facilitators on access to education.

The School of Indigenous Education hosted Anthony Ellis, Head of Campus, TAFE New South Wales Riverina Institute, Australia. Anthony was on a cross Canada tour visiting colleges who are successful in working with Aboriginal people. He toured the college, visited some inner-city programs, including Urban Circle and CAHRD and travelled to Fisher River Cree Nation.

A First Nations fashion show and culture day was held as a way to increase awareness and understanding of First Nations culture. A related fashion calendar was developed as a fundraiser to offset the cost of student-focused programs.

The School organized a Christmas Village to welcome as many guests to the Aboriginal Centre as possible and to familiarize young children with the campus. The response was overwhelming with over 850 people visiting the village. We targeted some of the Aboriginal youth groups and daycares in our community, along with the Adolescent Parent Centre, college staff, the college daycare and Aboriginal youth living with disabilities.

The Aboriginal Self-Government, Computer Applications for Business, and Aboriginal Language Specialist programs were mapped into the Medicine Wheel Framework developed by Mike Stuhldreier and Marti Ford. A "Life-long Learning Cycle" was developed using the traditional Medicine Wheel. A literature review was also commissioned and completed on Aboriginal perspectives in Education as part of the Medicine Wheel Project.

A DVD was produced which highlights success for Business Administration Integrated students which can be used for recruitment and mentorship.

We continued to work closely with the University of Winnipeg to strengthen our partnership in program areas like Aboriginal Self-Government Administration and Aboriginal Language Specialist.

The School of Indigenous Education organized an event titled Red River Rocks which brought 80 Aboriginal students (Grade 12) and their counsellors to campus to learn more about the programs RRC offers. The day included interactive program visits, an ultimate Frisbee tournament, a medal ceremony and a question-and-answer session.

Staff Notable Achievements

Dean **Marti Ford** continues to co-Chair the Aboriginal Affinity Group for ACCC.

Marti Ford was invited to attend the Richardson Canada West Foundation Forum to discuss inner city issues and poverty. There were about 20 invited guests from all three levels of government, not-for-profit organizations, post-secondary institutes and community groups. The forum is travelling across western Canada to develop a framework to deal with the issues.

Marti Ford was invited to the Aboriginal Partnership Committee meeting and asked to be a member of the committee which is part of the Winnipeg Partnership Agreement. This is a five-year tripartite agreement which focuses on strengthening and supporting community and economic development in Winnipeg.

Marti Ford was invited to be part of the Manitoba Aboriginal Apprenticeship Training Strategy (MAATS).

A paper co-authored by **Mike Stuhldreier** and **Marti Ford** entitled: "Developing Curriculum Through the Integration of Indigenous Culture with Educational Theory and Practice" was accepted for presentation and electronic publication of the conference proceedings of the *World Indigenous Peoples' Conference on Education* in Melbourne, Australia. Mike Stuhldreier presented the paper at the conference to a standing-room only audience.

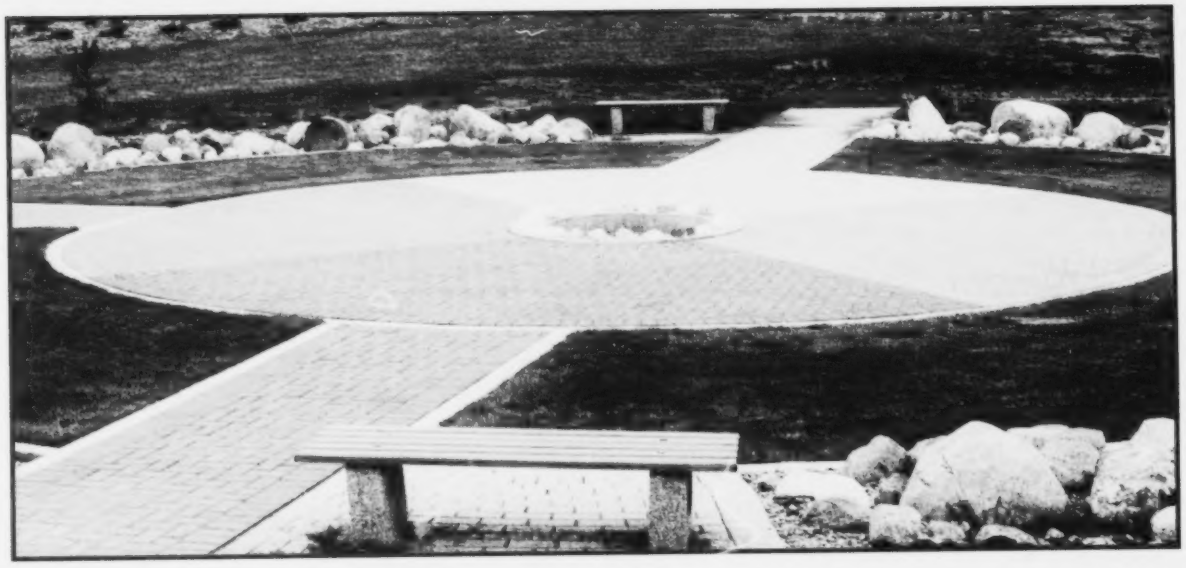
April Krahn was invited to present at the 5th International Conference on Indigenous Education: Pacific Nations, sponsored by the Centre for International Academic Exchange, First Nations University of Canada.

Student Notable Achievements

The 2008-09 Gold Medal Award winners were:

- **Angel Alice Compton**
  Aboriginal Self-Government Administration
- **Marilyn Mitchell**
  Community Development/Economic Development
- **Charles Gilbert Settee**
  Computer Applications for Business

Thirty students in the School of Indigenous Education won multiple scholarship and bursary awards.



ACCESS Model Programs

The ACCESS Model Program is designed to provide admission to specific Red River College programs for individuals who would not otherwise have the opportunity to attend College because of social, economic or cultural factors; formal education; or geographical location (inaccessibility to post-secondary institutions).

The ACCESS Model Program offers entry into the following programs:

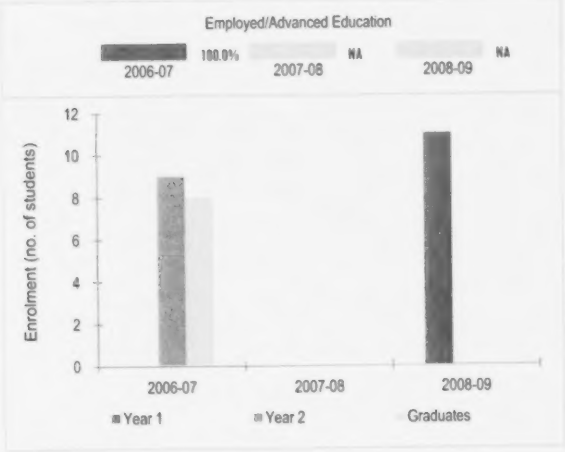
- Southern Nursing Program
- Business Administration Integrated
- ACCESS Civil Engineering Technology
- Other - Students accepted into other regular Red River College day programs can apply for funding and/or other support services through the ACCESS Program office providing they meet the basic criteria.

ACCESS Supports

The ACCESS Model Program promotes student success by providing academic supports, personal support/ counselling and financial support.

Aboriginal Education Programs

Aboriginal Language Specialist



Two-year diploma program

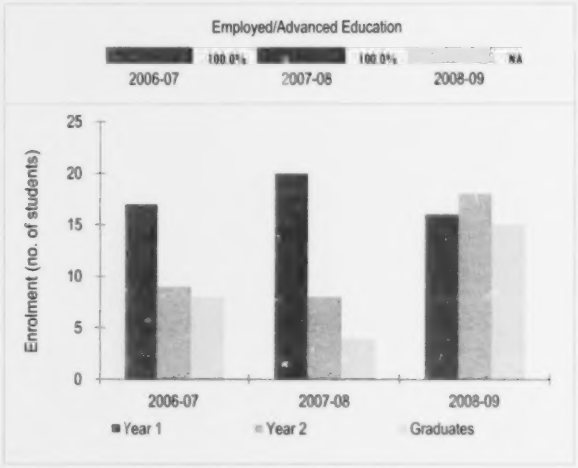
The Aboriginal Language Specialist program is designed to train students in Aboriginal language instruction, Aboriginal language planning, and interpreting and translation.

This program trains fluent Algonquian speakers (Cree, Ojibwe, Oji-Cree and Michif) in translating and interpreting in a variety of settings. Students interested in or familiar with an Algonquian language can further their skills.

Aboriginal Self-Government Administration

Two-year diploma program

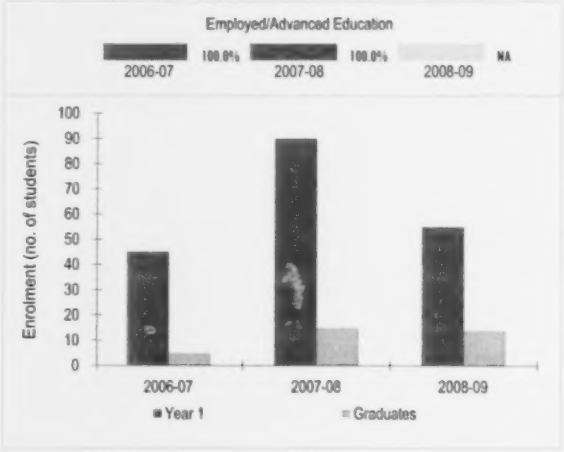
This program provides training for Aboriginal students in the Aboriginal self-government process. Training is provided in all the fundamental aspects of the self-government process, including knowledge of political systems, traditional and existing models of self-government, and the skills associated with administration, finance, management and policy analysis.



Biindigen College Studies

One-year certificate program

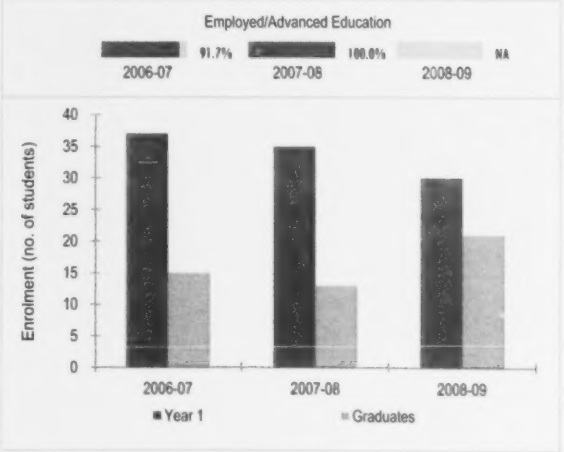
This program assists Aboriginal students to achieve the appropriate prerequisites and skills to transfer into other College programs of their choice. One of the mandates of the Biindigen College Studies program is to support the incorporation of Aboriginal perspectives into the curriculum content. Moreover, the College strives to nurture the academic, spiritual, physical and emotional needs of students to assist them in achieving balance during their academic training and in other areas of their lives outside of the College environment. Students take credits to be transferred into other College programs, however, in addition to the regular program offerings, Biindigen College Studies' courses are registered as dual credits so students can also graduate with a Mature High School Diploma.



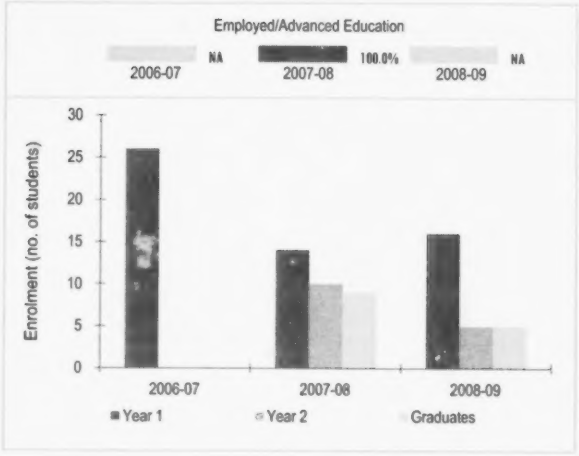
College Preparation for Nursing

One-year certificate program

This program is designed to provide students with the academic and professional skills necessary to enter and be successful in the Joint Baccalaureate Nursing Program.



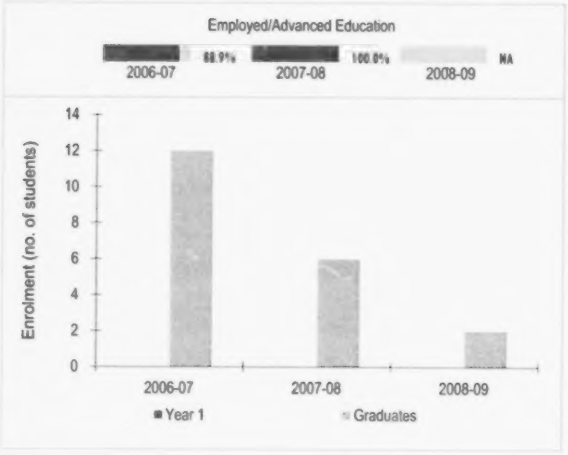
Community Development/Economic Development (CD/CED)



Two-year diploma program

This program offers opportunities for people to develop skills to work in community development in the inner city. Graduates will have the knowledge and skills to strengthen community-capacity building and focus on the strengths of individuals and communities.

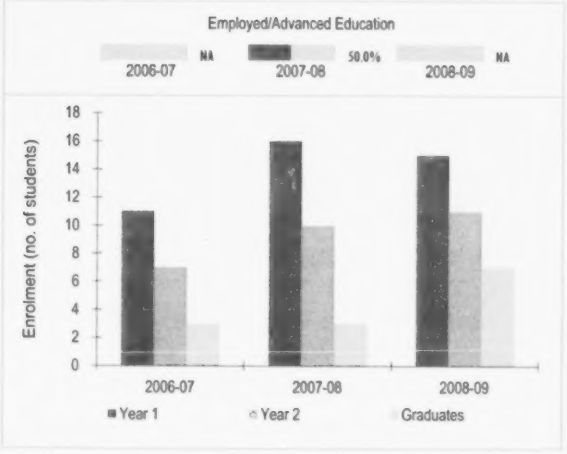
Community Development/Economic Development Certificate



One-year certificate program

Students who successfully complete the first year of the Community Development / Economic Development program and exit the program may receive a Community Development certificate.

Computer Applications for Business



Two-year diploma program

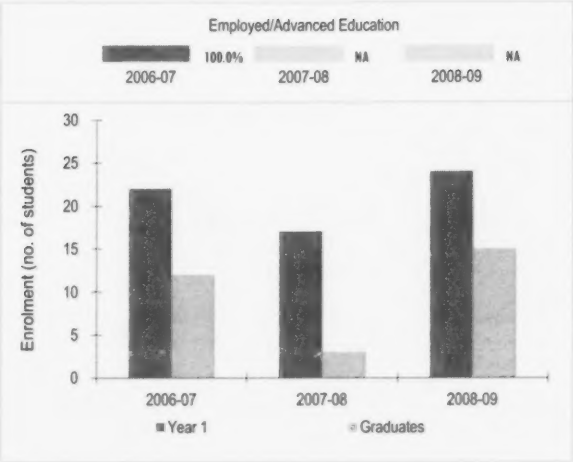
This program is a four-year program offered in The Computer Applications for Business program teaches students to use relevant Microsoft Office technology, prepare accurate business correspondence, communicate effectively and professionally in business environments while respecting cultural diversity, develop problem solving, decision making and management skills, and manage change while balancing professional and personal responsibilities.

Note: The name of this program was changed from Information and Office Administration to Computer Applications for Business in 2007-08.

Information and Office Assistant

One-year certificate program

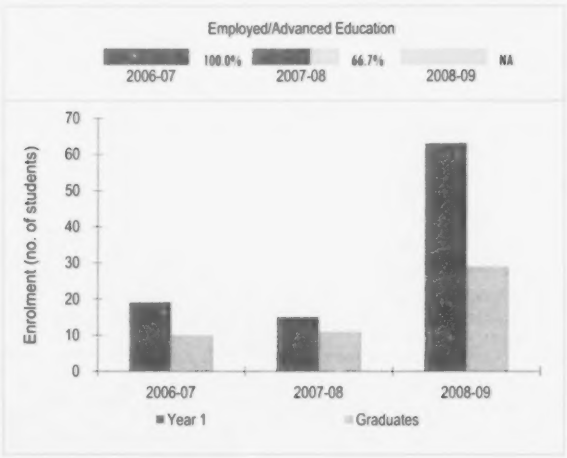
Students who successfully complete the first year of Computer Applications for Business and exit the program may receive a certificate in Information and Office Assistant.



Introduction to Trades

Five-month certificate program

This program is designed to introduce Aboriginal students to and prepare them for entry into existing RRC trades programs. The trades programs include Automotive Technician - Certificate, Carpentry and Woodworking, Electrical, Manufacturing Technician, Outdoor Power Equipment Technician, Piping Trades, Precision Metal Manufacturing, and Welding.



School of Transportation, Aviation & Manufacturing

Dean Don MacDonald
Room A138, Phone 632-3990,
Email dmacdonald@rrc.mb.ca

This School comprises two departments: Mechanical, Manufacturing and Communications; and Transportation, Mathematics and Science; as well as the Stevenson Aviation and Aerospace Training Centre. These departments provide training in apprenticeship, diploma and certificate programs. The School provides trades, technology, and apprenticeship education and occupational training to support the Manitoba economy and infrastructure at certificate, diploma, and advanced diploma levels.

School Highlights

Staff and several programs made the move into the new Heavy Equipment Transportation Centre with no disruption to apprenticeship or pre-employment training. When fully complete, HETC will allow for training capacity to be expanded by 60% and will provide opportunities for applied research partnerships with the transportation industry in alternative fuels, emission testing and cold weather environment testing.

Fifty thousand yoyos displaying the Red River College logo were distributed in Calgary during the World Skills Competition. The yoyos have been used for several years as an educational tool at RRC to make the connection between technology, skills, and a final manufactured product.

The College's new Centre for Aerospace Technology and Training (CATT) opened at Standard Aero Limited (SAL). The Honourable Lynne Yelich, Minister of State for Western Economic Diversification, and the Honourable Andrew Swan, Manitoba Minister of Competitiveness, Training and Trade, announced funding of $4.2 million for specialized equipment at the facility, including advanced laser welding, automated laser cladding and cutting, and a hot section coating system. This equipment will be critical to the manufacturing sector's growth and stability, and will provide students with an additional edge by bringing their training into closer alignment with industry needs.

A new Apprenticeship Gas Turbine Engine Repair and Overhaul program was developed in collaboration with StandardAero.

A Memorandum of Agreement was reached with CIIS (Continental Institute of Indian Studies) in Chandigarh, India to offer a joint five-month Aircraft Maintenance Engineer (AME) foundation program. Graduates of the program will then attend RRC's AME Diploma program.

The School investigated the feasibility of new programming, such as Aboriginal Introduction to Transportation Trades and a joint degree in Transportation Management in conjunction with RRC's Business Administration program.

Staff Notable Achievements

Five staff members of the automotive department have become certified installers for Plug In Hybrid Electric Vehicles (PHEV). Department staff completed the conversion of 10 PHEVs for the Province of Manitoba and other program participants in an applied research initiative.

Doug Tidsbury & **Gary Van der Zweep** completed TPE-331 (Garret Turbine Engine) Line Maintenance Training at Honeywell Aerospace Training Solutions in Phoenix, Arizona.

Nirdosh Ganske was the recipient of a 2009 RRC Innovation Award for "Management of Technological Innovation," a distance education course delivered on a pilot basis using Web 2.0 technologies. The course offers an open curriculum that advances a network of technological innovation in Manitoba industries (predominantly in Winnipeg) and gives participants the option to register in the course for credit.

Dr. Peter Denton presented a paper on "Food Security in a World without Trucks" and moderated the sessions on "Feeding the World Population" at the *Choose the Future: Education for Sustainable Development* conference held at the Winnipeg Convention Centre. He also gave a presentation at the 7th Annual Joint Conference of the Canadian Colleges Environmental Network/Canadian University Environmental Science Network in Winnipeg ("Breaking the Green Ceiling: Challenges and Strategies in Education for Sustainability"). Peter was also elected a director of the CCEN.

Warren Palmer and **Rob Ataman** represented the College as members of Skills Canada's National Technical Committee for Precision Metal Manufacturing and CNC (Computer Numeric Control) respectively.

Student Notable Achievements

Several students in the School of Transportation, Aviation and Manufacturing competed in the Skills Manitoba and Skills Canada competitions in 2008-09, taking home a number of medals.

The 2008 Skills Canada Competition winner was:

- **Gwen Barker** (*Gold in Apprenticeship Aircraft Maintenance Engineer*)

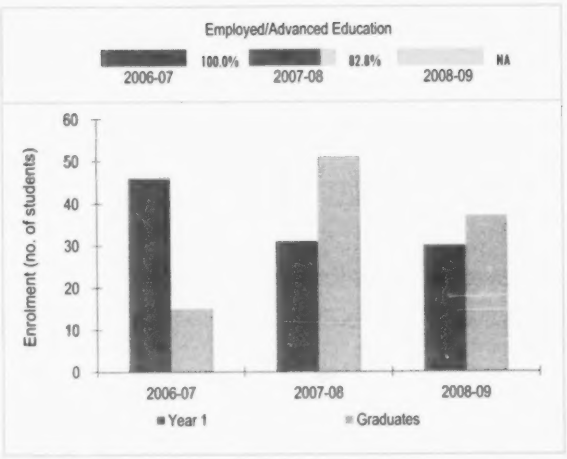
The 2009 Skills Manitoba Competition winner was:

- **Alexandria Breer** (*Gold in Aircraft Maintenance Engineer*)

The 2008-09 Gold Medal Award winners were:

- **Derek Klassen**
  Power Engineering Technology
- **Myles MacMillan**
  Mechanical Engineering Technology
- **Drew William Toews**
  Aircraft Maintenance Engineer
- **Benjamin Peter Vander Zaag**
  Automotive Technician

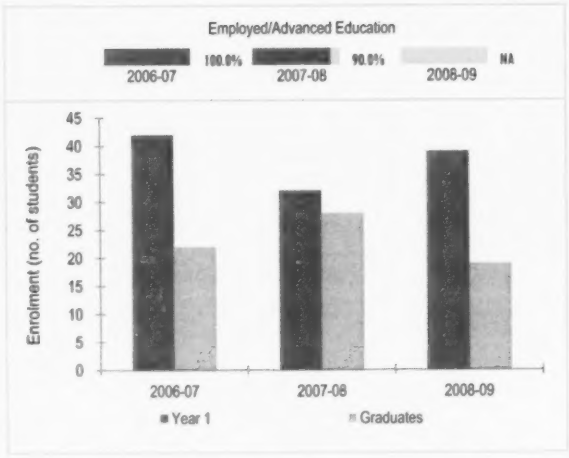
Aerospace Manufacturing



Five-month certificate program

This program was developed through a collaborative effort between Boeing Canada, Bristol Aerospace, and Red River College. Students acquire the skills and techniques required in positions as skilled production workers in the area of aerospace composite manufacturing.

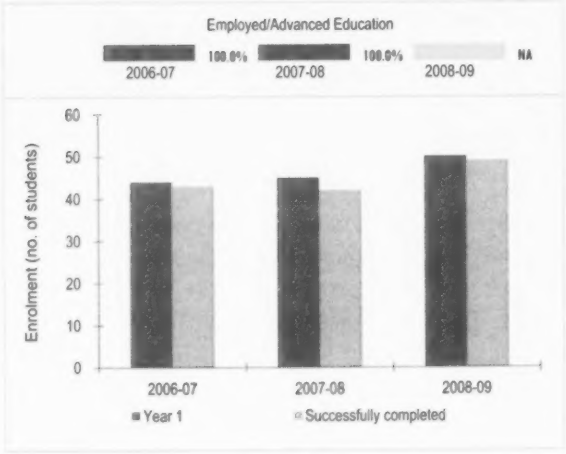
Aircraft Maintenance Engineer



Fourteen-month diploma program

The purpose of this program is to develop knowledge and skills in maintenance of both large and small aircraft, including fixed wing and helicopters, and to provide Transport Canada approved training toward an Aircraft Maintenance Engineer License. Potential employment opportunities across Canada include passenger and cargo air carriers, air charter companies, flight schools, and nationally approved Aircraft Maintenance Organizations (AMOs).

Automotive Service Education



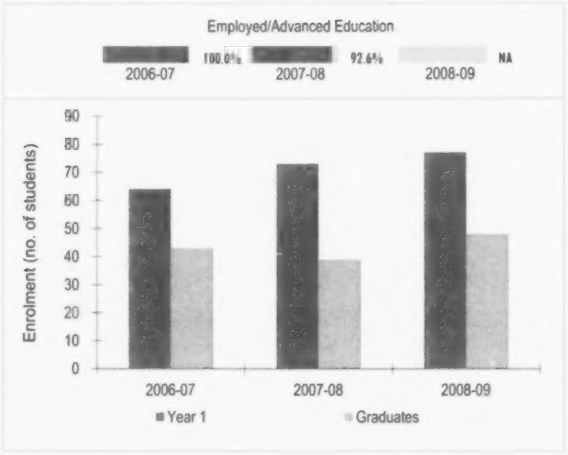
64 week program

This program prepares potential automotive technicians for a career in the automotive field. Students spend 32 weeks in the College and 32 weeks with a sponsoring General Motors of Canada dealership. Upon successful completion of both the in-college and dealership training, and a two-year period of employment in a GM dealership, the graduate is entitled to write the Inter-provincial Standards Examination to qualify as a journeyperson.

Automotive Technician - Certificate

One-year certificate program

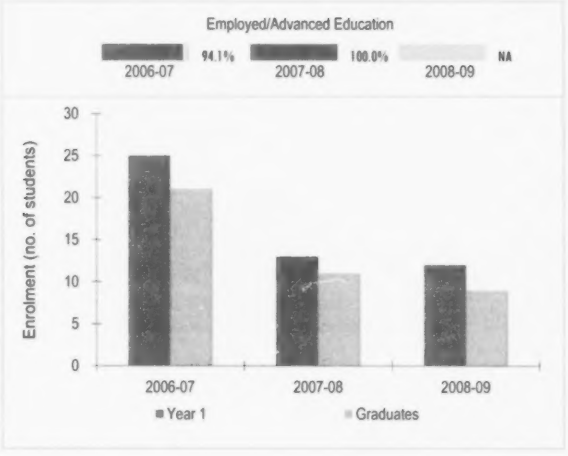
Students learn to disassemble, inspect, machine calibrate and reassemble motor vehicle units or components. Graduates find employment in service stations, dealerships, large corporations, farming communities and allied industries where they may work in service, repair, sales, or parts distribution.



Automotive Technician - Diploma

One-year diploma program

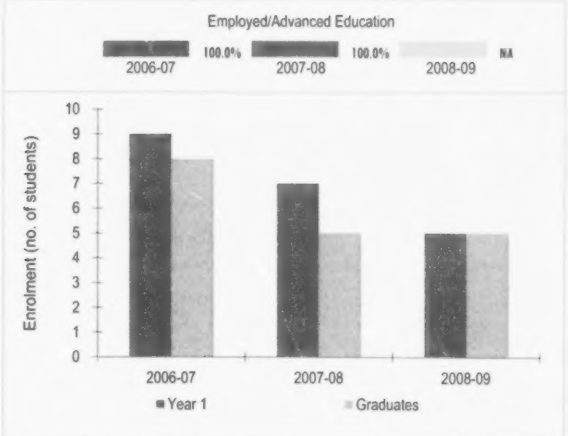
Students obtain the knowledge and skills needed to work in the motor vehicle electronic technician field. Graduates find employment in almost any vehicle repair shop. Entering students must have completed a 10-month Automotive Technician (certificate) program or have graduated with a Power Mechanics diploma from high school.



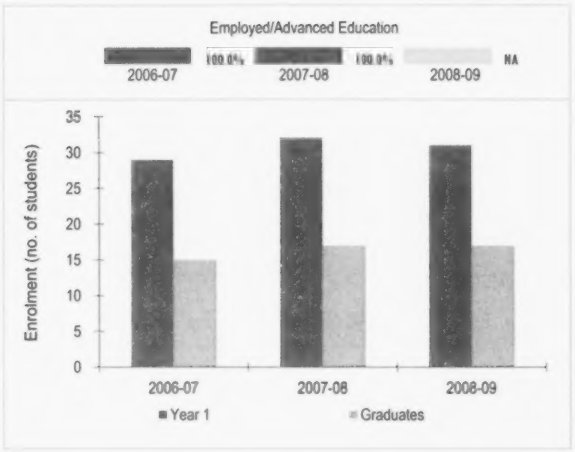
Collision Refinishing

Four-month certificate program

This new program addresses industry concerns about the large shortage of skilled technicians needed to work in either Collision repair facilities or Commercial industries. This program is designed to develop the necessary trade skills and knowledge required to refinish damaged vehicles, refinish fleet vehicles and participate in other commercial applications.



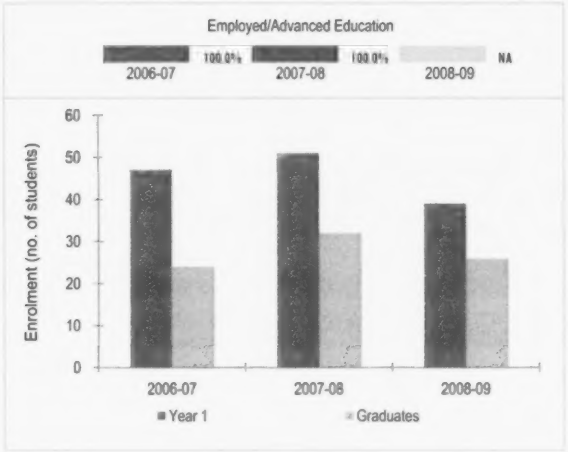
Collision Repair and Refinishing



One-year certificate program

Graduates of this program possess the skills and knowledge required to repair damaged vehicles, including all phases of auto-body repair and painting. They have found employment as auto-body mechanics, metal finishers, painters, body-frame specialists, service or parts managers, machine operators, or service-station operators. Others are employed as claims adjusters, collision estimators or shop supervisors.

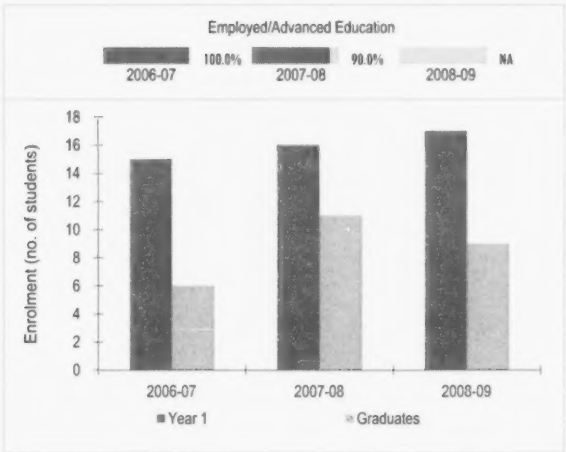
Heavy Duty Equipment Mechanic



One-year certificate program

In this entry-level program students develop basic knowledge and skills required to perform routine maintenance and repairs to vehicle systems and components. Students develop an understanding of the basic purpose, construction, operation and servicing of components, parts and assemblies of trade-related equipment. Graduates find employment in the agricultural, construction or transportation sectors.

Manufacturing CAD



One-year certificate program

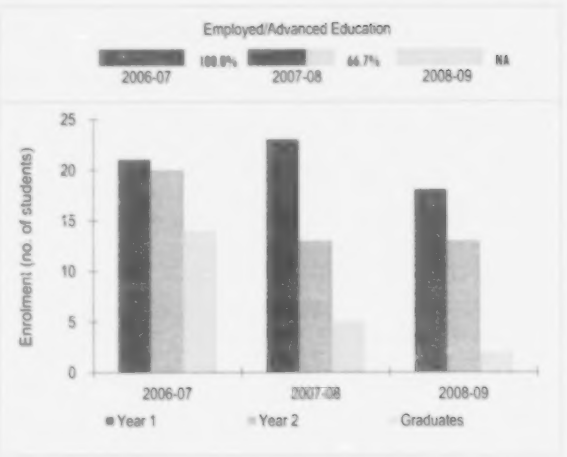
The program provides students with the skills necessary to produce computer-aided mechanical drawings of components and assemblies of industrial machines, machinery parts, and other mechanical equipment. Graduates are trained in the principles and applications of manufacturing design and production for careers engineering firms, consulting firms, manufacturing companies, utility companies, and aerospace and other industries that require mechanical/industrial technical skills covered with the scope of the Manufacturing CAD program.

Manufacturing Technician

Two-year diploma program

This program provides students with an enhanced understanding of manufacturing processes and the relationship of these processes to the machining trade. Graduates possess skills in: cost estimation and process planning, computer operation, CAD/CAM basic tool and fixture design, as well as CNC machine operation and programming. Graduates find employment as CNC operators, machinists, toolmakers, quality assurance inspectors, manufacturing planners, prototype developers, technical sales persons and supervisors.

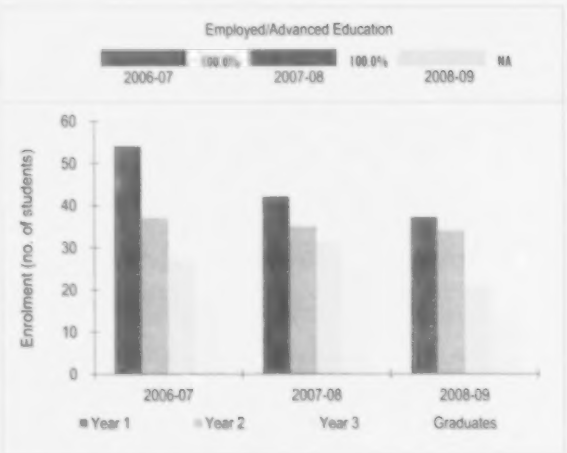
Note: *Students who successfully complete Term 1 can graduate with a certificate in Machine Shop Practice - Basic. After Year 1 (Terms 1 and 2) students can earn a certificate in Computer Numerical Control (CNC) Machine Operator, or in Machine Shop Practice - Advanced.*



Mechanical Engineering Technology

28-month co-op education diploma program

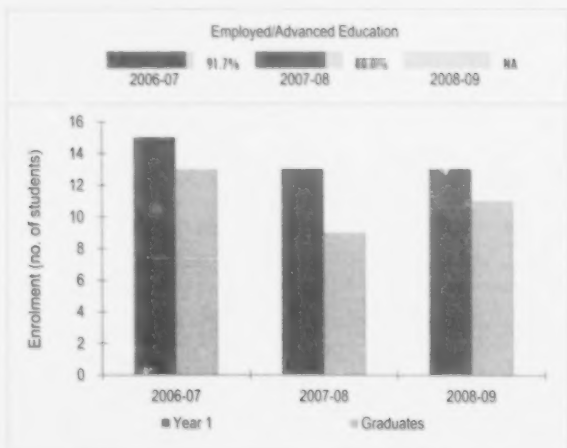
Students develop knowledge and skills in mechanical design, the production side of manufacturing and technical supervision. Graduates find employment in design, technical sales, manufacturing, instruction, research and management with companies involved in agriculture, mining, aerospace, air conditioning, refrigeration, transportation, foundries, fluid power, consulting engineering and government services.



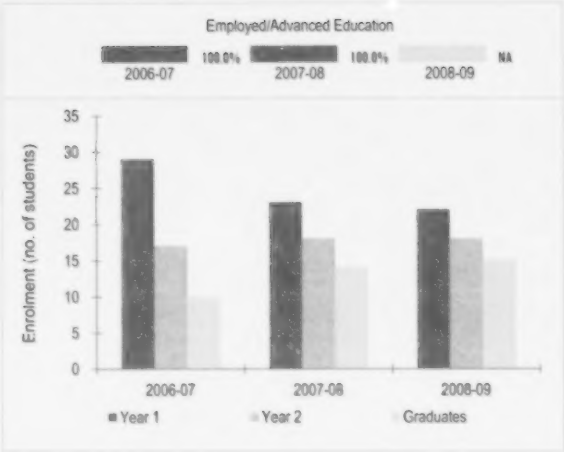
Outdoor Power Equipment Technician

One-year certificate program

Students develop the skills and knowledge required for entry-level employment in the power equipment repair field. Graduates find employment with firms engaged in the sales or service of power equipment. Such firms may include agricultural equipment dealers, private power equipment sales and repair shops, rural agribusiness and various federal, provincial and municipal government departments.



Power Engineering Technology

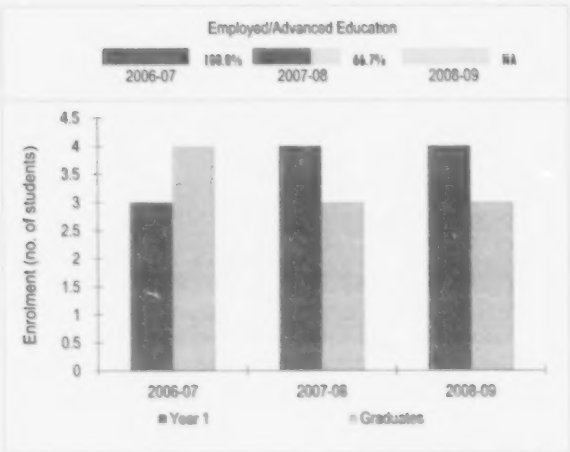


Two-year diploma program

This program develops knowledge and skills required for the safe operation of major equipment in commercial, industrial, and public buildings. It includes enhanced power engineering technical studies, particularly the power laboratory studies and field experiences, which is in alignment with the Manitoba and Inter-Provincial experience requirements for Power Engineers. Graduates achieve their Standardized (Inter-Provincial) 4th and 3rd Class Certificates. This program provides graduates with a start toward a 2nd Class Certificate, and prepares graduates for studies required for higher levels of Power Engineering.

Note: *This program also has a certificate exit point at the end of the first year. Certificate graduates can obtain Class 4 certification.*

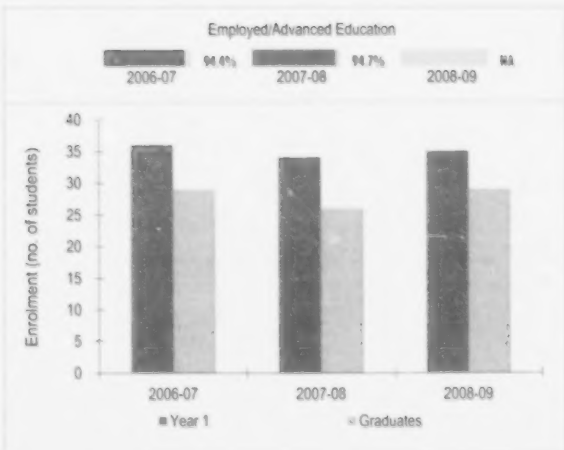
Technology Management



One-year advanced diploma program

This program is specifically targeted to graduates with technical diplomas and degrees. It provides an opportunity to complement graduates' technical skills with equally important managerial skills in areas such as corporate finance and accounting, project management, marketing strategy, and human resource management. The program provides technologists and others with the knowledge, skills, and abilities required for their roles as supervisors and managers in technical organizations, obtains recognition for the Technology Management program from professional organizations, and creates opportunities for technologists and others to earn advanced credentials in Technology Management.

Welding



Seven-month certificate program

Students learn to perform the oxy-acetylene, arc, tungsten inert gas and metal inert gas welding processes and related operations safely and effectively. Some graduates have found employment in aircraft maintenance, in the manufacturing of farm equipment and in heavy equipment repairs. Other graduates are employed in highway construction, northern mines and hydro-electric power plants.

School of Learning Innovation

Dean Paul Little

Room CM30A, Phone 632-2232,

Email plittle@rrc.mb.ca

This School provides comprehensive teaching and learning programs and support services. In addition to having the provincial mandate to prepare public school teachers in the areas of Industrial / Vocational and Business education, the School provides the College supports such as content expertise and research capacity through the Library and Learning Resources; faculty development through Teacher Education; curriculum design issues through the Program and Curriculum Development area and program delivery issues through the Learning Technologies areas. The School also manages the Program Innovation Fund which is used to support the continual enhancement of academic programs by funding innovative projects which are not covered by operating budgets.

School Highlights

Beginning in August, Library staff assumed responsibility for providing online help for Web Advisor using a new online form.

Over 225 eBooks were purchased from Blackwell to form the basis for an e-book collection for the College. The eBooks cover a variety of areas including: business and economics, computers and information technology, education, engineering and technology, management, and nursing and allied health.

The Library subscribed to two new databases - *EdITLib: education & information technology library,* containing articles and conference papers on the latest research, development, and applications related to educational technology and e-learning; and *Natural Standard,* providing high quality, evidence-based information on dietary supplements (including herbs, vitamins, and minerals), functional foods, diets, complementary practices (modalities), exercises, and medical conditions. In addition, links were established to three free databases - *The Cochrane Library*, a collection of analytical reviews of the best available evidence-based medical and health care research; *Greenfile*, covering all aspects of human impact on the environment, such as global warming, green building and sustainable agriculture; and *Teacher Reference Center,* which indexes and abstracts 270 educational journals.

A new research guide for Journalism was created and six guides were updated - for Marketing, Disability and Community Support, and Recreation Facilitator, Library & Information Technology, Furniture (Home Decorating and Furniture Style), and Plagiarism.

The School successfully supported the launch of the College portal for staff and students (go.rrc.ca) in collaboration with ITS and Colleague Support. TLTC created a training guide for Portal Pilot participants and was actively involved in pilot testing of the College portal with the MedRad and DMT programs.

eTV completed the first year of streaming delivery for the new Paramedicine - Primary Care Paramedic program.

The School provided technology for the delivery of 104 unique Distance Education courses (4% increase from 2007-08) and 838 unique courses in the regular programs of the College (129% increase from 2007-08).

Library orientation sessions were provided for RRC Early Childhood Education and Business Administration students at Peguis First Nation, and for Health Care aide students at Fisher River Cree Nation.

eTV delivered a large DVD project for the ACCESS program designed to encourage students through the stories and wisdom of graduates of the program.

A recreational reading book exchange was established on both campuses to give people the opportunity to bring books from home to exchange with books bought by other staff and students.

Two PLAR Guides for the Technical Vocational Diploma program were developed during the year.

Two courses for the Technical Vocational Diploma program were redesigned for online delivery through WebCT.

Teacher Education delivered the coursework for the F1 Car Project which involved 3-D modeling of F1 race cars with Solid Edge software on HP computer tablets. Car bodies were then cut with a CNC router and painted with airbrushes. A final race was hosted in the Library corridor on a sixty foot long, computer timed, race track. Cars reached speeds up to 45 kilometers per

hour on the track. Ken Hartikainen was the student who designed the fastest car and Graham Thomson was the RRC Celebrity race winner.

The School completed an 18-month Learning Management System review and recommended a new platform to be used college-wide.

eTV video introduced live internet streaming of convocation to approximately 100 unique viewers per evening.

The School supported the first college course delivered fully using a virtual classroom and web 2.0 tools "Managing Technological Innovation – Web 2.0."

A list of book, media, and other library resources related to Electrical Engineering Technology, Electronics Engineering Technology and Instrumentation Technology was created in support of program evaluations of these three programs.

A fourth cohort of 13 students -- including 11 RRC faculty -- completed eight courses in the Master of Arts Degree in Education from Central Michigan University which was hosted by RRC.

Teacher Education faculty traveled to Temuco, Chile to teach courses in an international development project. This project is aimed at a certification in Adult Education to improve local capacity in technical education in the ninth region of Chile.

TLTC supported the "Wise Guys" online tutoring project for remedial maths and science (60+ videos).

Staff Notable Achievements

Jeanne Towle completed and received the *Certificate in Purchasing* designation from the Purchasing Management Association of Canada.

Red River College Library was a major player in the Manitoba Libraries Association Conference, with significant staff involvement and equipment loaned for conference sessions. **Can Li, Joan Boersma, Leanne Baldwin**, and **Phyllis Barich** each convened sessions at the conference.

Janet Johnson completed a book review for *CM: Canadian Materials*, a service sponsored by the Manitoba Library Association that reviews Canadian books and media for teachers, librarians, parents and kids.

Mark Nelson delivered a 75 minute "Facebook" session at the Manitoba Advising Professionals Conference and delivered a 2-hour "Dreamweaver" workshop at the EBIT Conference.

Teacher Education faculty **Andrew Kozlowski, Gordon Price, Bernie Taronno** and **Kurt Proctor** received the Excellence in Learning Innovation award for their efforts on the Computer Aided Design and Manufacturing Across the Curriculum and F1 Race Car projects.

The Teacher Education department was the recipient of an "Award of Excellence" offered by the Vocational Teachers' Association of Manitoba in recognition of the extensive service record and outstanding contribution made in the support of Vocational Education.

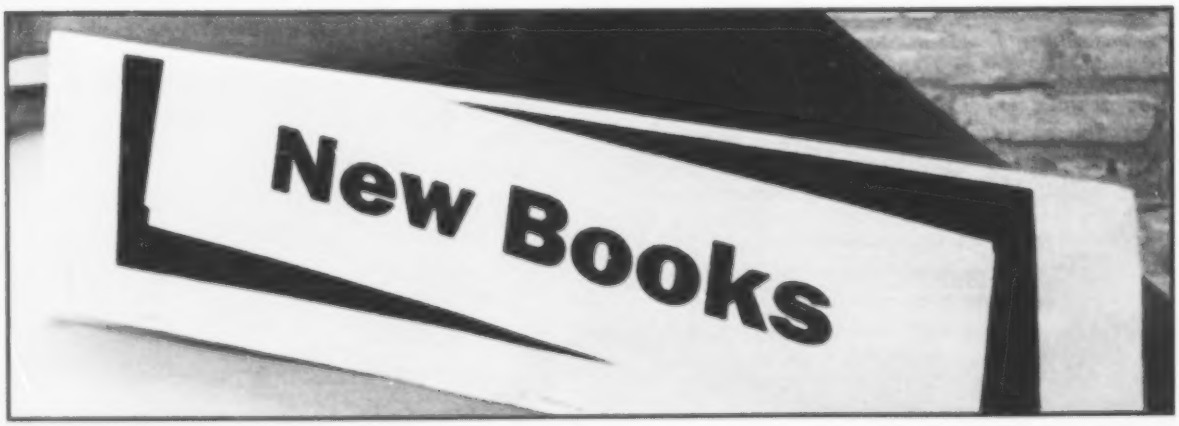
Student Notable Achievements

The 2008-09 Lieutenant Governor's Medal winner was:

- **Joseph Lindhorst**
  Technical Vocational Teacher Education

The 2008-09 Gold Medal Award winner was:

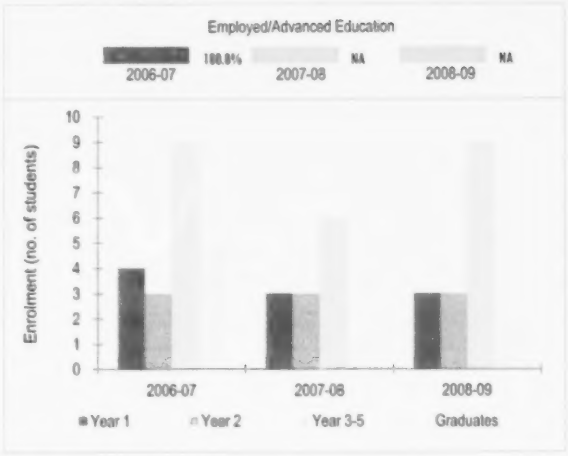
- **Tyler Milloy**
  Business/Technology Teacher Education



Business/Technology Teacher Education

Five-year Bachelor of Education degree delivered jointly by RRC and the University of Winnipeg

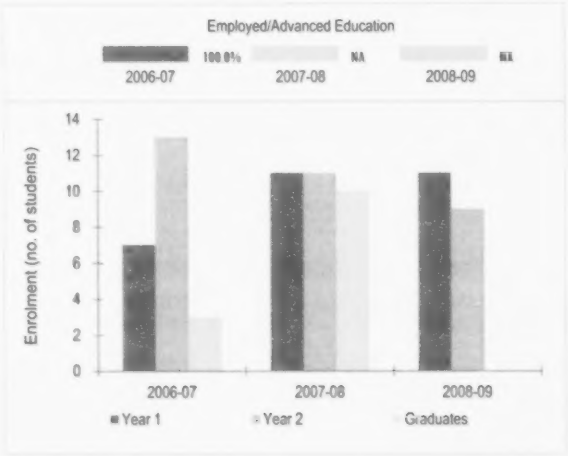
The Business Teacher Education program develops knowledge and skills in general business, accounting, marketing and secretarial; including technical skills in computer applications, word processing and computer accounting; and teaching methodology in business. Successful completion of the five-year program results in a Bachelor of Arts degree and a Bachelor of Education degree from the University of Winnipeg, as well as a diploma in Business Teacher Education from RRC. Graduates are eligible for a Permanent Professional Teaching Certificate from Manitoba Education and Training which allows them to teach in secondary schools in Manitoba.



Business/Technology Teacher Education - After Degree

Two-to-three year Bachelor of Education degree delivered jointly by RRC and the University of Winnipeg

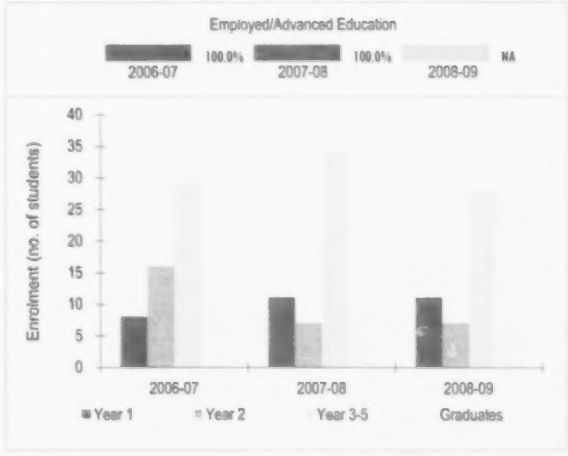
The After Degree Teacher Education program is a two-to-three year joint Bachelor of Education degree with the University of Winnipeg for holders of an undergraduate degree. Emphasis in the RRC portion of the program is directed at developing the technical knowledge and skills in business, combined with teaching methodology, required for the teaching major in business education. Graduates are eligible for a Professional Teaching Certificate from Manitoba Education and Training, which allows them to teach in secondary schools in Manitoba.



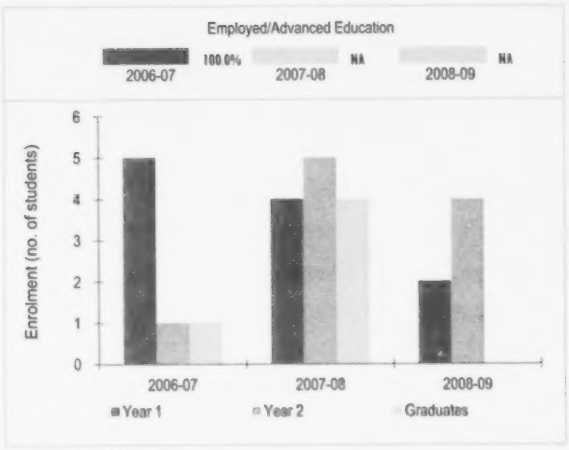
Industrial Arts/Technology Teacher Education

Five-year Bachelor of Education degree delivered jointly by RRC and the University of Winnipeg

This program develops knowledge and skills in manufacturing, power and energy, graphic communications and construction; including computer applications, and teaching methodology in industrial arts and technology education. Successful completion of the five-year program results in a Bachelor of Arts degree and a Bachelor of Education degree from the University of Winnipeg, and a diploma in Industrial Arts Teacher Education from RRC. Graduates are eligible for a Permanent Professional Teaching Certificate from Manitoba Teacher Education and Training which allows them to teach in secondary schools in Manitoba.



Industrial Arts/Technology Teacher Education - After Degree



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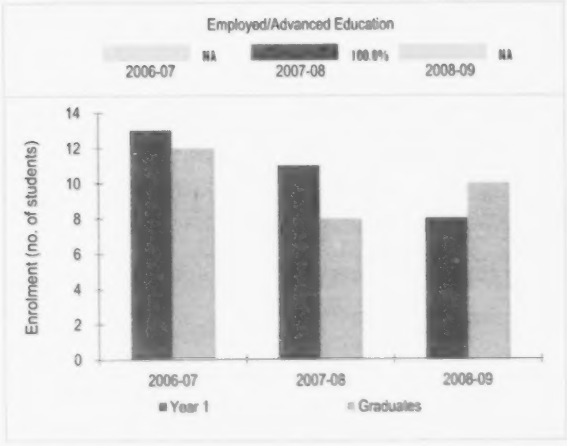
Technical Vocational Teacher Education



One-year accelerated diploma program

This program provides the knowledge and skills required for certification by Manitoba Education and Training. Graduates are eligible for a Permanent Special Vocational Industrial Teaching Certificate from Manitoba Education and Training which allows them to teach in their vocational area in secondary schools in Manitoba. The program makes up the first three years of the five-year Joint RRC/ University of Winnipeg Bachelor of Education Degree with a major in vocational education. Graduates find employment in teaching positions in high schools offering vocational industrial programs and in community colleges.

School of Continuing & Distance Education

Dean RaeAnn Thibeault

Room C118, Phone 632-2481,

Email rthibeault@rrc.mb.ca

The School of Continuing & Distance Education (C+DE) facilitates learner success by developing and delivering quality, innovative lifelong learning opportunities. Programs are delivered full-time, part-time in class, part-time distance delivery and customized corporate training.

C+DE is a strategic business unit that forms part of the Business Development Division. All courses and programs, with the exception of the Adult Learning Centre, are offered on a cost recovery basis. One integral element to our success is our responsiveness to labour market needs. Our delivery of programs in a variety of ways helps make education more accessible and convenient for all learners. We welcome inquiries from industry and are pleased to develop solutions - full-time, part-time, distance education and customized corporate training - to meet industry needs.

School Highlights

The gross registration/enrolment for C+DE in all delivery modes for 2008-09 were:

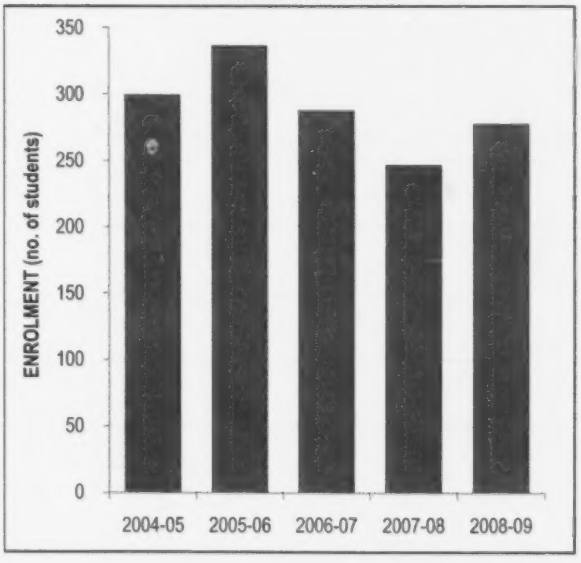
- C+DE, Part time – 14,190
- C+DE, Full time – 277
- Corporate Training, part time – 441
- Corporate Training, full time – 153
- Adult Learning Centre – 419

Enrolment in distance delivery courses for 2008-09 was a record high of 4,675.

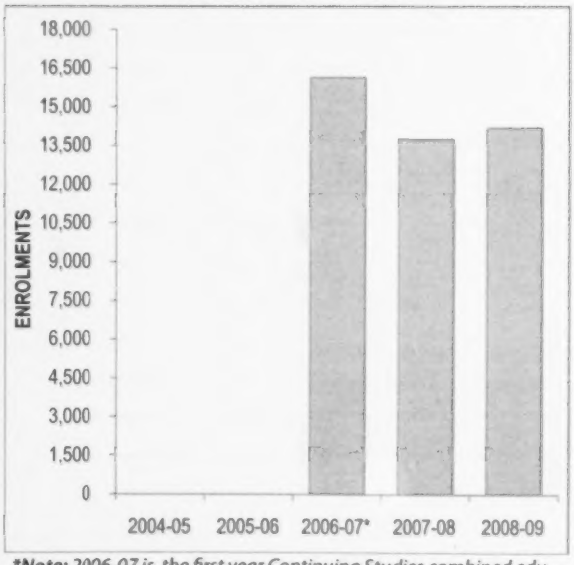
Darlene Bouvier, corporate training manager, administered the six month Medical Laboratory Assistant program for Manitoba Health and Diagnostic Services of Manitoba in collaboration with the Allied Health Sciences Department. The program was completed with six graduates.

Gail Mireau, program manager for Education, Environment and Foundations, and Melissa Fontaine, program facilitator, successfully ran the 54th annual Manitoba Water and Wastewater School. Registrations were up over 10% with 99 students this year.

Continuing & Distance Education
Full-time Enrolments



Continuing & Distance Education
Part-time Enrolments



***Note:** 2006-07 is the first year Continuing Studies combined education and distance education part-time enrolments.*

Freda Robinson, program manager for Business and Management, established an articulation agreement with the Canadian Institute of Entrepreneurship and the Credit Institute of Canada for Business Administration courses.

Michael Cameron, program manager Trades, Transportation and Industrial, started a new full-time Railway Conductor program with 15 students. The 15-week program with instructors from Canadian Pacific Railway (CNR) and Canadian National Railway (CNR) includes a two week practicum with Central Manitoba Railway Inc.

Susan Andree, program manager Applied Arts and Communications, received approval for two new certificate programs, Food Services Management and Residential Decorator, from the Senior Academic Committee (SAC).

Gail Mireau, program manager for Education, Environment and Foundations, received approval for the Recognition of Prior Learning Practitioner program from SAC.

Norma Kerr, program manager for Community Services, held the first steering committee meeting with the Manitoba Adult and Youth Corrections and Aboriginal Agencies, to discuss a new program: Pre-Recruitment Correctional Officer Program for Aboriginal and immigrant students.

RRC received the Mobile Training Labs (MTL) in April 2008. There are two MTLs, four supply trailers, two semi trucks for transporting. Funding was provided through Western Economic Diversification and COPSE. Activities completed:

- Community based delivery (Intro to Trades)
- Peguis/Fisher River (20 students)
- Selkirk (22 students)
- Contract Based Delivery
- Gillam- Millwright level 1 (11 students)

Susan Andree, program manager for Arts and Communications, began to language benchmark the full-time Legal Administrative Assistant certificate program with the RRC Language Training Centre for ESL student accessibility.

Gail Mireau, program manager for Education and Environment, met with Judy Baker, Provincial Adult and Family Literacy Coordinator to discuss a Literacy Practitioner program. Red River College piloted an Introduction to Family Literacy course.

New courses offered included Portfolio Development (on-line course), Film Crew, Learn Spanish, WEVAS and Microsoft Vista.

Kirk Johnson, program manager for Information Technology, developed a new three-class fast-track project management program, Project Team Track. The three classes are Project Management Fundamentals, Project Management Soft Skills, and Project Management Quality and Control.

Susan Andree, program manager for Applied Arts and Communications, offered the first course of Film Crew Training with integrated Film Training Manitoba online workshops.

Susan Andree, program manager for Applied Arts and Communication, piloted a Workshare Pro software course in the Legal Administrative Assistant program for comparison of documents for the Legal Transcription course.

C+DE corporate training facilitated and delivered training to the following companies: Canadian Forces Base Shilo, St Boniface College, City of Winnipeg, StandardAero Ltd., Manitoba Aerospace Human Resource Council, Boeing Canada, Westeel, Canadian Manufacturers and Exporters, Black Cat Blades, Boys and Girls Clubs of Winnipeg, Community Education Development Association, Manitoba Health, Magellan Aerospace, Bristol Aerospace, Russel Metals, University College of the North, and Manitoba Hydro.

There are now 13 certificate programs available via distance delivery. The entire Business Administration diploma is also available via distance.

The University of Manitoba confirmed that graduates of RRC's Recreation Facilitator for Older Adults program will receive 18 hours of credit toward a Bachelor of Recreation Management and Community Development at the U of M.

Staff Notable Achievements

Paul Bourget and **Rose Vogt**, instructors in the Para Educator program, led four workshops at the first annual Educational Assistants of Manitoba (EAMB) conference. Paul led two workshops on Classroom Management and Rose led two workshops on Objective Observation and Reporting.

A memorial award was established in memory of **Karel Van Helden**, a former instructor in the Power Engineering 4th Class CE courses. The award is intended to assist the recipient(s) with the cost of Power Engineering 4th Class, Part B and, as such, the award would be paid towards the registration costs of that course. Awards totalling a minimum of $500 will be awarded.

Gail Mireau, program manager for Education, Environment and Foundations, was elected to the Board of Directors of the Manitoba Association of Distributed Learning and Training (MADLAT).

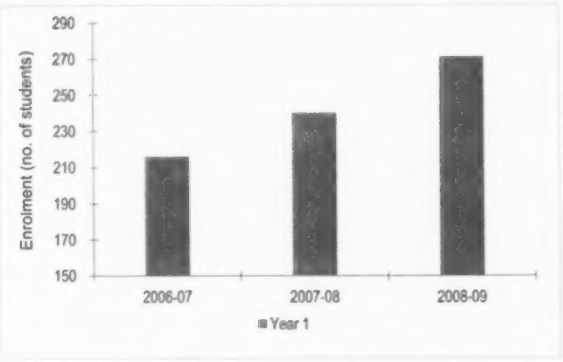
Student Notable Achievements

Four C+DE students received 70 for 70 scholarships in honour of Red River College's 70th anniversary:

- **Ian Hedgecock**
  Recreation Facilitator for Older Adults
- **Lance MacMaster**
  Occupational Health and Safety
- **Chris Richard**
  Youth Recreation Acitivity Worker
- **Oleksandr Shchuchkin**
  Mature Student High School Diploma (ALC)

Twelve students from the full-time Para Educator program volunteered at the first annual EAs of Manitoba conference.

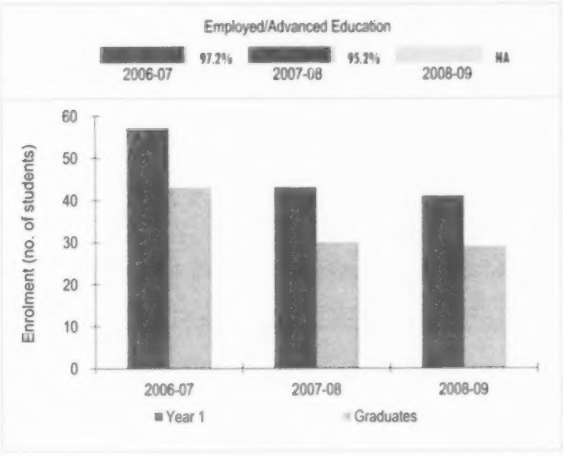
Academic Development Programs



Adult Learning Centre certificate programs

Academic Development Programs upgrade students' academic skills in mathematics, English and physical science, and provides an introduction to computers. Students normally take only those courses necessary to qualify for admission to college programs.

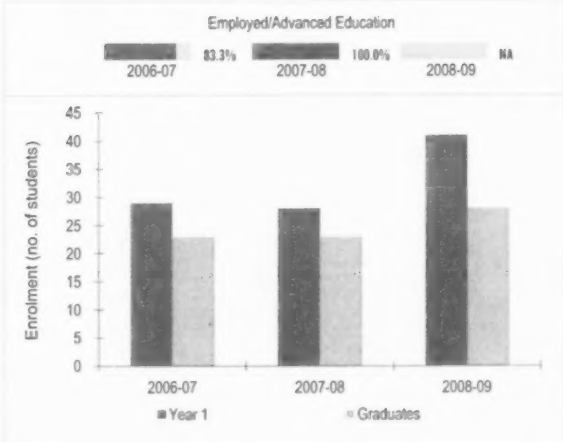
Applied Counselling



C+DE full-time certificate program

Students develop proficiency in basic counselling skills for use in working with children, adolescents, and families. Skills in cross-cultural counselling will be developed, and legal/ethical issues studied. Graduates will be qualified to provide entry level counselling in areas such as domestic violence, chemical dependency, substance abuse, and gender issues.

Health Unit Clerk



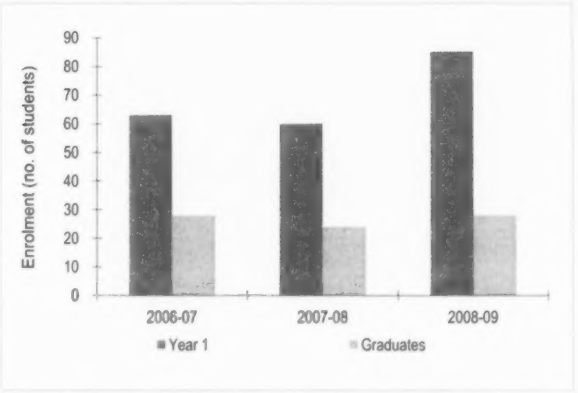
C+DE full-time certificate program

Students acquire the knowledge and skills required to function as part of the health care team and learn the roles and responsibilities of a HUC including maintaining patient and unit records, processing physician orders, diagnostic and laboratory orders and managing unit supplies.

Introduction to Business

Five-month certificate program

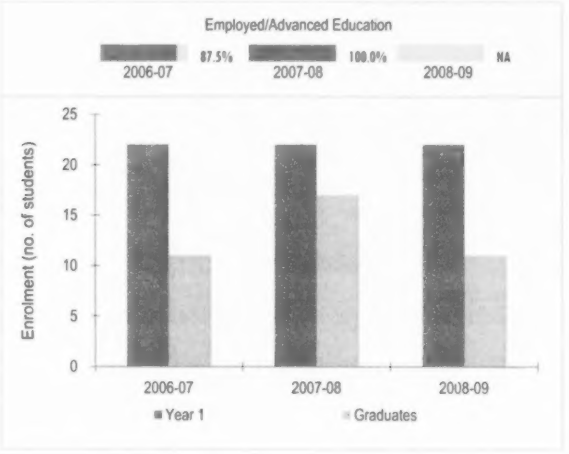
The purpose of the program is to prepare students for entry into selected programs in the business and applied arts and sciences area by developing their skills in communications, business mathematics, the fundamentals of Canadian business, and computer fundamentals. Students will have the opportunity to acquire the study and information technology skills that will enhance their success in an academic setting. Students will obtain advanced credits in the first term of the selected programs.



Legal Administrative Assistant

C+DE full-time certificate program

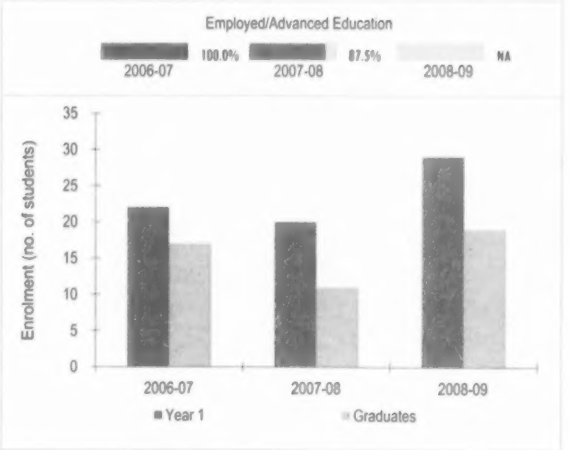
Students acquire the knowledge, skills and attitudes to perform effectively in a junior administration position in a legal environment and learn to professionally prepare legal documentation for real estate, wills and estates, civil litigation, domestic and family law, business and appeals.



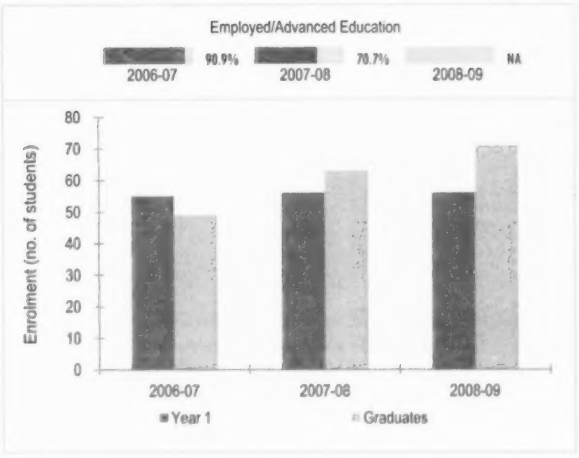
Occupational Health and Safety

C+DE full-time certificate program

This program is designed to provide a fundamental understanding of occupational health and safety. The program addresses the role and responsibilities of an Occupational Health and Safety practitioner including risk management, hazard recognition, control, and prevention and safety management systems in the workplace, incorporating a multi-disciplinary approach in contributing to the development of a health and safety culture.



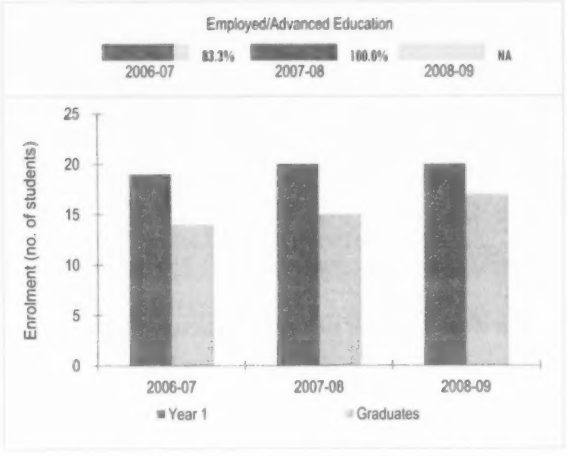
Para Educator



C+DE full-time certificate program

This program prepares students for entry-level positions as Para Educators (i.e., teaching assistants) to work with children under the direction of a teacher.

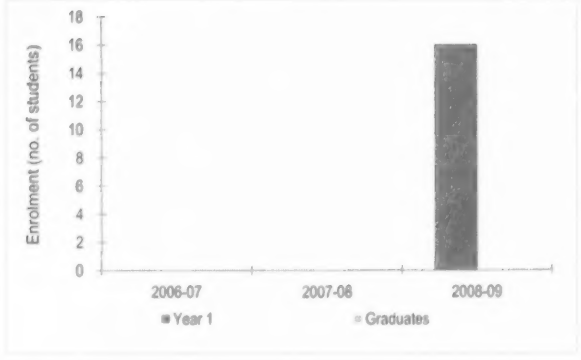
Photography - Enhanced



C+DE full-time certificate program

This program provides the knowledge, training and skills for a career in photography. Students develop proficiency in a wide range of subjects including camera operations, lighting, composition, film processing, printing and retouching in both black and white and colour photography.

Railway Conductor



C+DE full-time certificate program

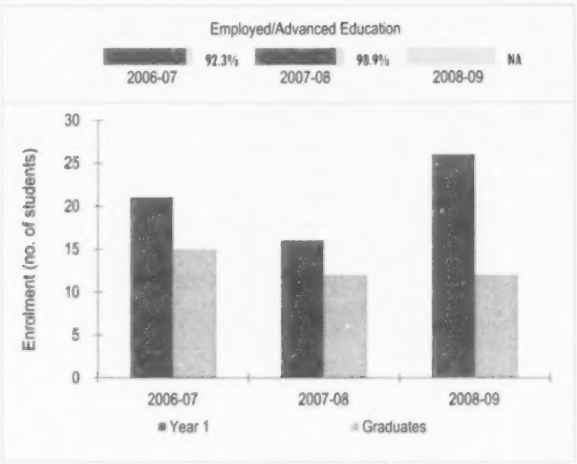
This program integrates knowledge in safety, business, communications and wellness with the management of trains, including switching and marshalling cars, transporting dangerous goods, performing inspections, copying authorities and keeping records – all within the context of the Canadian Rail Operating Rules and railways General Operating Instructions.

***Note:** July 2009 was the first graduating class for this program.*

Recreational Facilitator for Older Adults

C+DE full-time certificate program

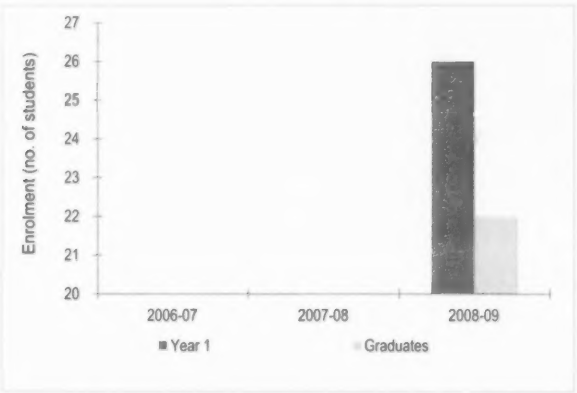
This program provides students with the knowledge, skills, attitude and field-based practical experience to work with older adults.



Sterile Processing Technician

C+DE full-time certificate program

Students acquire the knowledge and skill for career opportunities in hospitals, surgical centres and health care settings related to the preparation of sterile equipment and supplies. This program teaches critical techniques in infection control, aseptic techniques and safety.



Regional Campuses

Department Highlights

The new Peguis-Fisher River Campus opened in September 2008 with three programs: Aboriginal Self-Government, Business Administration Integrated and Health Care Aide.

Enrolment at regional campus-based adult learning centres increased by 10% from 434 in 2007-08 to 476 in 2008-09.

Portage, Winkler and Steinbach campuses partnered with RRC's Community Services department to deliver the first year of the Early Childhood Education-Workplace diploma program via video-streaming.

Regional Campuses responded to Manitoba Family Service's province-wide training needs by delivering the Foundations in Disability and Community Support course in Brandon, Dauphin, Portage la Prairie, Steinbach, Winkler and Selkirk; and the Supervision in Human Service Settings course in Portage la Prairie, Brandon, Swan River and Steinbach.

Portage Campus ran pre-employment Carpentry as a full-time program. Delivery included a modified/extended schedule to accommodate facility/shop requirements for practical training at Portage Collegiate Institute's Construction Technology Shop.

Portage Campus delivered the Human Resource Management program on a full-time basis.

Portage Campus provided a variety of customized workshops for the City of Portage la Prairie, the Manitoba Development Centre, Orion Security, Long Plain First Nation, and Southport Inc.

Portage Campus continued to partner with Dakota Ojibway Partnerships Incorporated to run second-year Early Childhood Education. Delivery included a modified/extended schedule to accommodate child-care centre staff at Long Plain, Waywayseecappo, Chemawawin, and Sandy Bay.

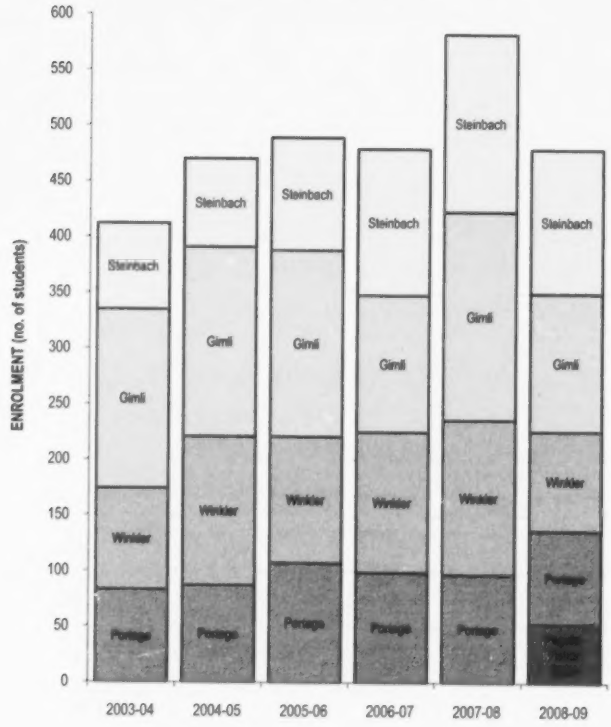
Winkler Campus had a lab built for its Dental Assisting-Level II program. All the equipment was donated by dentists.

Winkler Campus provided part-time Power Engineering Fifth Class via video-streaming.

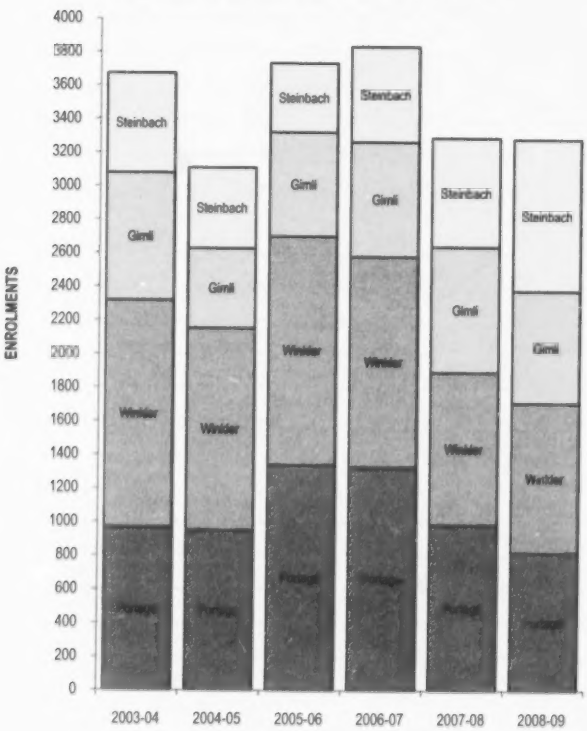
Gimli Campus began running full-time, pre-employment Electrical for the Winnipeg River Learning Centre in Powerview - Pine Falls.

Gimli Campus delivered the Human Resource Management certificate program on a part-time basis for Sagkeeng First Nation at the Winnipeg River Learning Centre.

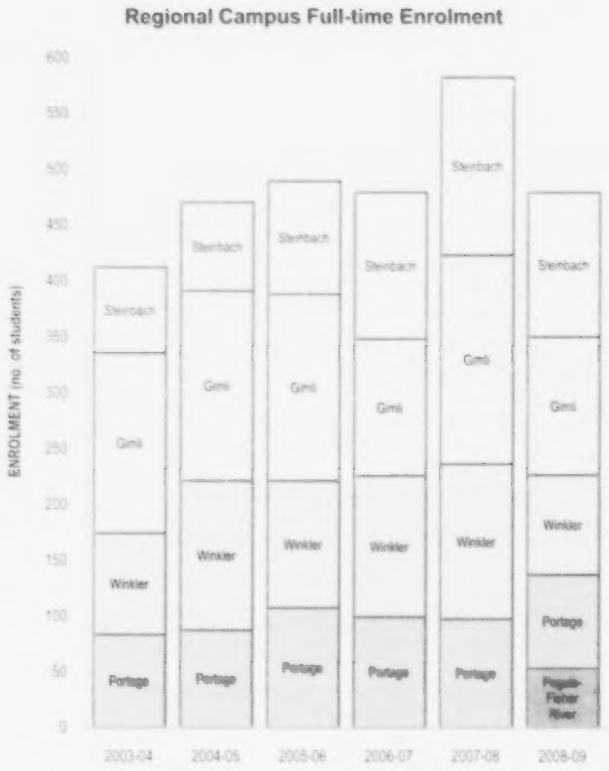
Regional Campus Full-time Enrolment

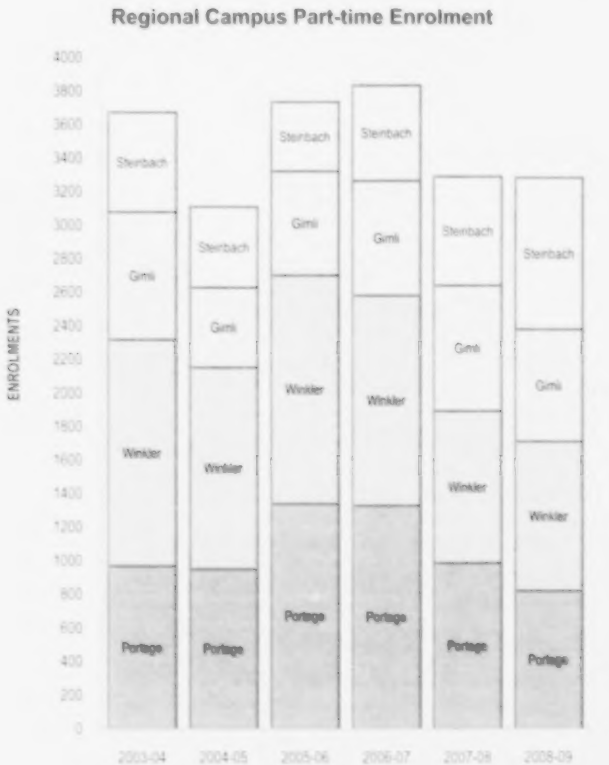


Regional Campus Part-time Enrolment



Regional Campuses





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Gimli Campus delivered the Human Resource Management certificate program on a part-time basis for Sagkeeng First Nation at the Winnipeg River Learning Centre.

Gimli Campus provided several offerings of Manitoba Security Guard training in the Selkirk area, all of which used a variety of formats to accommodate employers and students.

Gimli Campus continued to work closely with Aim for Work and the Society for Manitobans with Disabilities to accommodate students with special needs (physical and intellectual).

Gimli Campus began delivery of Early Childhood Education in St. Laurent for the Manitoba Metis Federation. The schedule accommodates full-time child-care centre employees.

Steinbach Campus hosted a community education session on the importance supporting local daycare facilities.

Steinbach Campus offered Human Resource Management as a full-time, blended learning program. By combining in-class instruction with Distance Education courses completed at Steinbach Campus, students were able to meet full-time attendance requirements to be eligible for funding.

Steinbach Campus, to help maintain continuity of the local HR Committee, hosted an HR Forum in partnership with the Chamber of Commerce and with the assistance of Human Resource Management students.

Staff Notable Achievements

Gimli Campus instructor **Terry Hoffmann** has instructed the Health Care Aide more than 15 times (in Selkirk, Pine Falls, Lac du Bonnet and Beausejour), training an estimated 250 health care aides.

Gimli Campus instructor **Gail Horvath** has taught full-time business programs in Gimli and Selkirk for over seven years. Program sponsors and potential students often inquire if she will be instructing an upcoming program.

Student Notable Achievements

Steinbach Campus first-year Business Administration student **Kyla Murray** won a Red River College 70th Anniversary Scholarship for academic achievement, community involvement and leadership.

Two recent Steinbach Campus Early Childhood Education graduates opened a day care facility in La Broquerie.

Language Training Centre

Department Highlights

In 2008-09, the Language Training Centre (LTC) experienced the largest enrolment in the department's history. More than 1,000 students enrolled over the two terms. The LTC reached its capacity for day programming at the Main Street Campus facility. There was an increase in numbers of both immigrant and international students.

The LTC introduced two new English for Specific Purposes (ESP) programs:

- The Bridging Program for Internationally Educated Nurses (BPIEN) which includes three levels was launched.
- A new English for Apprenticeship and Trades (EAT) Program for students who either have a background in the trades or who are looking to pursue a trade in Canada.

Both Level 1 of the BPIEN and the EAT program were funded by Manitoba Labour and Immigration. Students were not assessed fees in either of these ESP programs.

An additional section of EAL programming for international students was mounted in the winter term at the LTC. This section was added due to an increased demand for English language programming by international students who were looking to meet the entrance requirements of post-secondary programming at the College.

A record number of internationally educated nurses chose the Canadian English Language Assessment for Nurses (CELBAN) as their method of demonstrating their English language proficiency to one of the nursing regulatory boards across Canada. In 2008, there were 585 administrations of CELBAN across Canada. This number reflects a steady increase from 2005, the year that CELBAN was launched, when 105 tests were administered.

There were sites in British Columbia, Alberta, Saskatchewan, Manitoba and Ontario. There were two new CELBAN administration sites added in Regina and Saskatoon. RRC continues as the national administration site for CELBAN and oversees all of the sites across Canada.

The LTC undertook two research projects:

- The government of British Columbia contracted with RRC LTC to conduct a feasibility study regarding the adaptation of Institutional CELBAN for use with a range of internationally educated professionals in the healthcare sector.
- The Midwives Association of British Columbia contracted with RRC LTC to analyze the English language demands of the midwifery profession.

Staff Notable Achievements

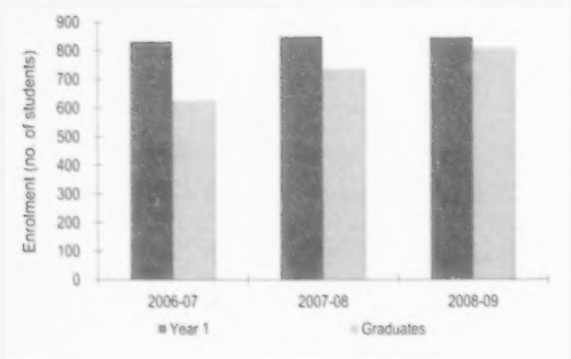
Cathy Lewis and **Blanche Kingdon** from RRC LTC presented a workshop on the work the LTC has done to analyze the English language demands of RRC career programs at the 4th Annual International Conference on Research in Access and Developmental Education in Puerto Rico. The Conference was organized by the National Center for Developmental Education in the U.S.

Student Notable Achievements

Ta Yung Liu, a graduate of the Academic English Program for University and College Entrance, received the English Speaking Union Award.

Two LTC students received awards from Powerland Computers. The successful recipients were **Amuri Musaka** and **Hugues Gasole**. Both students were from the Intensive English EAL program.

English as an Additional Language (EAL) Programs



Certificate programs

The Language Training Centre offers full-time language programs with 25 hours of instruction per week. The intensive courses are interactive and include periodic excursions and the use of computer labs. Many EAL students have found that the English for Specific Purposes programs at the Language Training Centre have opened up employment opportunities for them. Others have gone on to continue their studies in college or university programs. Perhaps the most widespread benefit for all EAL students has been their increased ability to communicate effectively in the community.

APPRENTICESHIP

The skilled trades create the public and private infrastructure required to support a competitive knowledge based economy. Strong economic growth over the last decade has created an unprecedented demand for new skilled trades persons.

Working in partnership with Apprenticeship Manitoba, Manitoba's colleges continue to address skilled trades labour shortages by increasing capacity and introducing innovative new delivery strategies.

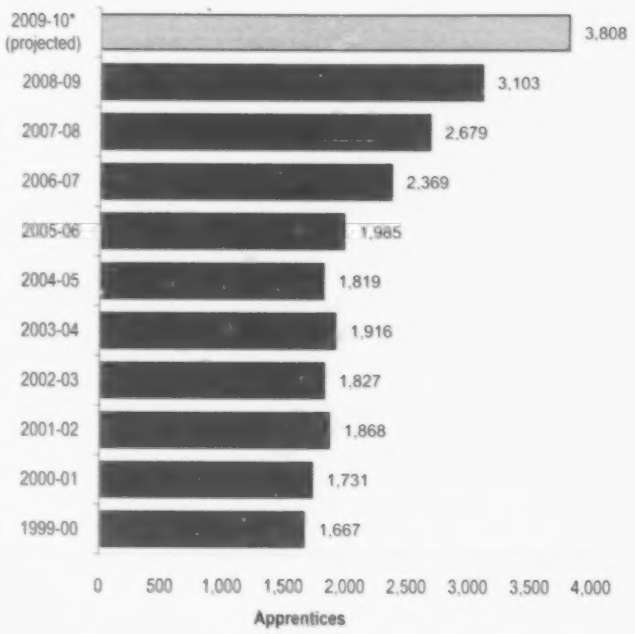
As the largest provider of technical training for apprentices in Manitoba, RRC delivers more than 70% of all technical apprenticeship training offered each year and is the designated trainer for 30 trades.

Record Enrolments

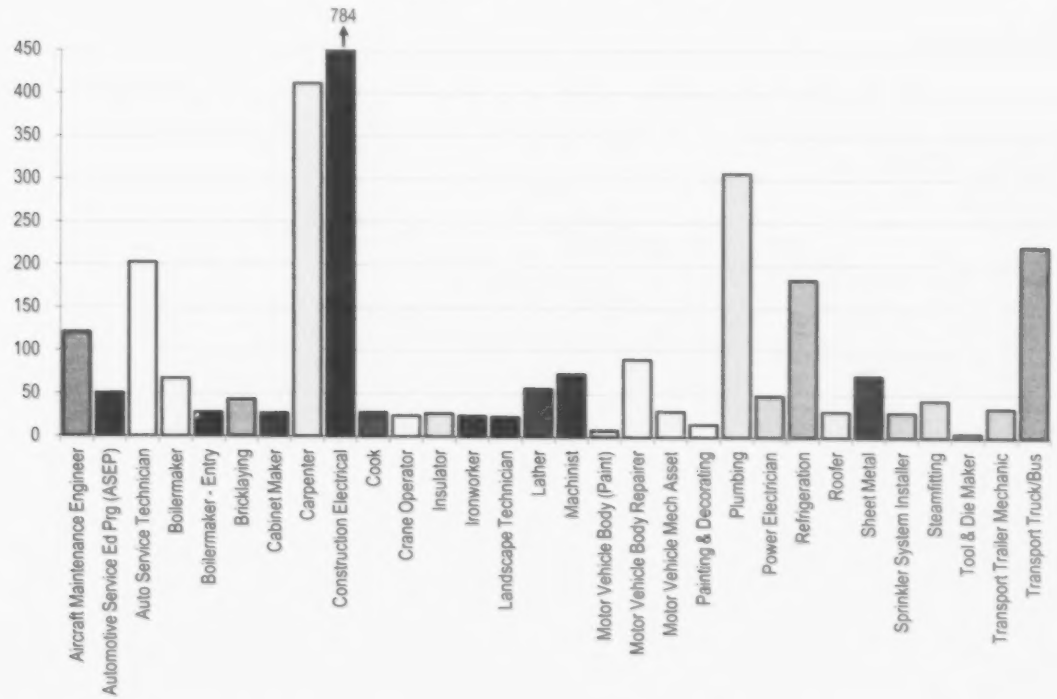
Increases in apprenticeship training led all enrolment growths at RRC in 2008-09. Technical training was provided to 3,103 apprentices, an increase of 424 apprentices or 16% over the previous year. The largest increases occurred in the building (carpentry, plumbing, electrician, refrigeration) and transportation (automotive, aviation and truck/bus) sectors.

The number of apprentices trained at RRC has increased by more than 50% in the last three years and has more than doubled over the last decade. Continued strong growth is expected again in 2009-10.

Apprenticeship Enrolment



Enrolment by Program, 2008/2009



Innovation and Partnership Drive Growth

Sustained annual growth is due to the highly collaborative relationship between the College, Apprenticeship Manitoba (Manitoba Entrepreneurship, Training and Trade), and employers.

Apprenticeship Manitoba (AM) provides apprenticeship training and trades certification of more than 50 regulated trades under The Apprenticeship and Trades Qualifications Act. AM registers and monitors apprenticeship agreements between apprentices and employers, and schedules technical training at designated training providers, including Red River College. The training follows standards for the trades developed and maintained by the Branch and approved by the Apprenticeship and Trades Qualifications Board.

RRC partnered with Manitoba Hydro and the University College of the North to deliver Millwright training on-site in Gillam. RRC provided the Mobile Training Lab (MTL) while UCN provide instructors and curriculum and Manitoba Hydro provided support to the MTL.

In addition to working with employers to expand the training year to include July and August for some of the construction trades, more day-release classes have been introduced and a multi-year "e-Apprenticeship Alternate Delivery Development Initiative" (EADDI) project has been launched. The EADDI project is a Manitoba/Saskatchewan collaboration which will see the introduction of on-line apprenticeship training across a number of trades.

New Trades, New Facilities

Technical training for Insulator (Heat and Frost) was introduced in 2008-09 and Gas Turbine Repair and Overhaul, Outdoor Power Equipment and Water and Waste water Treatment Plant Operator are expected to be designated in 2009-10.

To accommodate the continued growth in apprenticeship training, RRC opened two new training facilities:

- Heavy Equipment Transportation Centre - a 60,000 square foot $15.7M centre for pre-employment, apprenticeship training and applied research for the truck, bus and transportation sector.
- Church Street Apprenticeship Training facility – a 7,000 square foot leased facility in north-west Winnipeg for three building trades - Insulator (Heat and Frost), Lather (Interior Systems Mechanic) and Roofer.

Apprenticeship training is expected to continue to grow as Manitoba responds to the skilled trades labour market needs. The training schedule for 2009-10 proposes an additional 700 apprentices, an increase of 22%.

If you are interested in registering as an apprentice, contact:

Apprenticeship Manitoba
Manitoba Entrepreneurship, Training and Trade
1010 - 401 York Ave., Winnipeg, Manitoba R3C 0P8
Ph: (204) 945-3337 Fax: (204) 948-2539
www.manitoba.ca/tradecareers
apprenticeship@gov.mb.ca

Applied Research and Commercialization

In the fifth year of operation, the Applied Research & Commercialization focused its attention on strengthening the industry-related relationships that have been developed over the past few years, including:

- establishing the Centre for Applied Research in Sustainable Infrastructure (CARSI) as a cornerstone for a sustainable infrastructure cluster in Manitoba
- facilitating applied research and commercialization activities and initiatives, such as the Research Innovation Fund
- local, provincial, and international collaborations in applied research
- establishment of the Advanced Transportation and Energy Centre
- assisting in the creation of the Centre for Aerospace Transportation and Energy
- working at the regional and national levels to raise awareness of the role Canadian colleges play in applied research and innovation.

As the College moves to degree granting, AR&C is working with the Schools to develop School-based Research Plans.

Department Highlights

The ***Hydrogen Centre of Expertise*** awarded a research contract to convert and monitor a fleet of Toyota Prius vehicles to plug-in hybrids as part of a multi-year demonstration (including one College-owned Prius). A new 12 volt battery and charger configuration for the ***Toyota Prius***, one of ten vehicles used in a test of plug-in hybrid technology in Manitoba, was researched, created, documented and installed by Curtis Gregor. This was required to address some cold weather issues with the conventional battery/charger system. University of Manitoba has shown interest in RRC configuring their Prius (which is not part of the HCE project) with the cold weather upgrade kit. **A123 Hymotion Systems** – has certified the College as a "Certified Installer" to facilitate conversion of Toyota Prius to plug-in hybrids.

NSERC CCI – A proposal request for $2.3 million over 5 years for CARSI was prepared and submitted. A re-submission was required and resulted in a clearer outline of potential stakeholders and supporters as well as meetings with CET staff to discuss strategy for the revised proposal. Key issues addressed were firming up financial support from external partners, especially SMEs; reduced focus area (building technologies and systems); and a better match of expertise to the focus areas. The college submitted the revised proposal at the end of June.

SMT Research Ltd. – CARSI assisted in the fabrication and calibration of moisture sensors. The sensors are to be used in a prominent heritage building in Ottawa in a project with ISIS Canada. 35 units were built during this period.

HETC Applied Research – Testing for a local inventor of a hydraulic motor was completed.

NorthAir Tech – The final testing on the moisture removal system was completed.

Applied Research - Compression testing for a local business to evaluate usage of ABS piping for a racking system was completed.

Manitoba Hydro Solar Trough System Project – Manitoba Hydro and RRC plan to evaluate the performance of a solar trough system for reducing heating and electrical loads (the project is currently in proposal writing stage).

Insulation Testing in CARSI - Monitoring of a P2000 insulation test took place. The testing protocol for a local window manufacturer, which included reviewing standards and establishing a testing procedure in CARSI, was prepared. Discussions also took place with Manitoba Hydro and a local insulation distributor to conduct preliminary testing of the performance of a specialized insulation product.

Vector Construction – concrete beam reinforcement project took place in CARSI. Fiber optics were applied to concrete beams and measuring of the strain with the Neubrescope equipment (on loan from Japan) occurred.

Motor Coach Industries (MCI) - The College entered into an agreement with MCI to design/develop a prototype to meet U.S. EPA 2010 heavy duty diesel engine emission reduction requirements. Total value of the project is approximately $180,000.

Research Innovation Fund (RIF) - 15 applications requesting a total of $110,660 in support were received, outstripping the available funding of $50,000. Eight applied research projects were offered funding totaling $51,891.

Staff Notable Achievements

Ray Hoemsen was nominated for reappointment to the Manitoba Health Research Council.

Ray Hoemsen is an advisor to the Information and Communications Technology Association of Manitoba's Market Access Program.

Co-operative Education

Red River College is committed to the philosophy and nature of co-operative education and has made the expansion of co-op programming a priority.

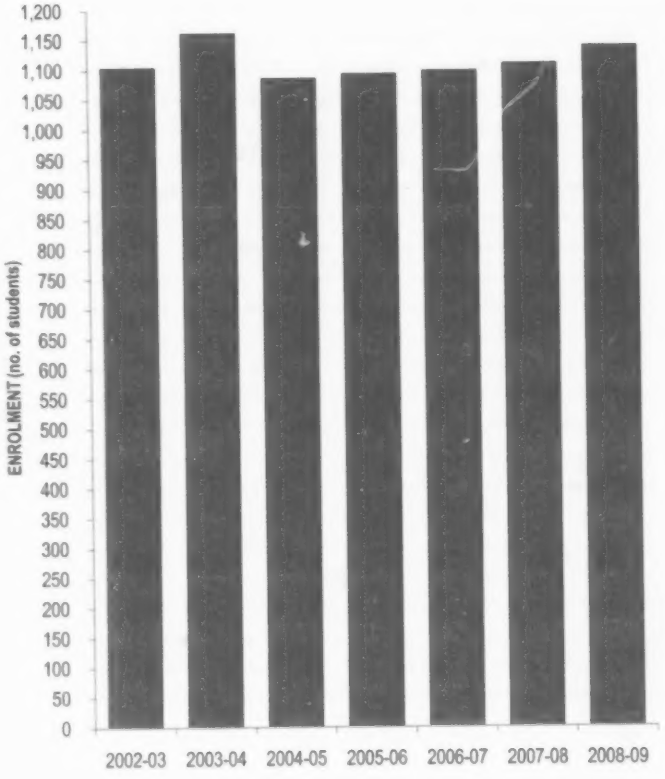
Co-operative education integrates related on-the-job experience with classroom theory by alternating terms of paid employment and academic study. Over the years, the College has introduced this proven system into an increasing number of programs. Co-operative education has been offered in three programs in the College's Hospitality department since the late 1970's. Starting in 1991, rapid growth has occurred in the number of programs offering a co-op mode of delivery.

The number of students enrolled in co-op programs was 1,138 in 2008-09. The total number of co-op programs stands at 26.

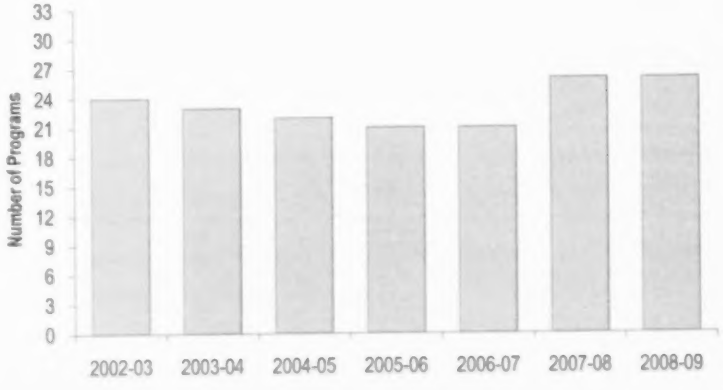
- ACCESS Civil Engineering Technology
- Architectural/Engineering Technology
- Building Design CAD Technology
- Chemical and Biosciences Technology
- Civil Engineering Technology
- Computer Analyst/Programmer
- Culinary Arts
- Electrical Engineering Technology
- Electronic Engineering Technology
- Electronic Engineering Technology Integrated
- Environmental Protection Technology
- Geomatics Technology
- Greenspace Management
- Hospitality & Tourism Management
- Hotel and Restaurant Management
- Information Systems Technology
- Instrumentation Engineering Technology
- Mechanical Engineering Technology
- Municipal Engineering Technology
- Pharmaceutical Manufacturing
- Professional Baking
- QA/QC in the Pharmaceutical Industry
- Structural Engineering Technology
- Technical Communications
- Tourism Management
- Wood Products Manufacturing - Technology - Diploma / Certificate

Co-operative Education will continue to be considered as a delivery mode for new and existing programs where marketplace, students and the employing community find it a viable educational method.

Co-operative Education Enrolment



Number of Co-operative Education Programs



International Education

The International Education Department (IE) continues to focus on the process of "internationalizing" RRC. Internationalizing the campus is seen as an important goal for a number of reasons:

- Preparing students to enter the global workplace requires exposure and experience in working with people from different cultures.
- The demographic trends in Manitoba indicate that the number of domestic students available for College education will shrink in upcoming years. International students can fill the gap.
- International student fees help to offset increasing costs of facilities, equipment, materials and personnel necessary to continue to offer top quality education.

IE pursues the goal of internationalization through several different avenues:

- *Recruitment of international students to study at RRC.* This contributes to enriching the academic aspect of domestic students, who benefit from the sharing and learning that comes from a global perspective.
- *Overseas Development Projects.* When RRC works on overseas projects, the profile of the College is raised on a significant scale. RRC faculty enhances their teaching skills through the involvement in international projects.
- *International Joint Programs.* RRC is involved in the development of joint educational programs with international institutions which benefit students in both countries.

Working with RRC departments to ensure interest and capacity are present, International Education (IE) markets available programs to international students.

To ensure a more predictable flow of international students who choose RRC as their education option, IE also focuses on building and fostering relationships with institutions. These relationships can involve communal curriculum development and sharing, faculty visits and student exchanges.

IE runs as a strategic business unit. The revenue IE brings in supports the department's initiatives, contributes to the college revenue targets and funds future international initiatives.

Brazil Project: Access Issues for Culinary Studies

Red River College is currently taking part of a project called *Empowering Thousand Women: Education, Citizenship and Sustainable Development* that has a main objective of strengthening the social inclusion and vocational empowerment of underprivileged women from the northern and northeastern regions of Brazil.

This project has been funded by the Canadian International Development Agency (CIDA), Association of Canadian Community Colleges (ACCC), and the Brazilian partners, the IFs (Institutos Federais – Federal Institutes of Education, Science and Technology) represented by the Ministry of Education of Brazil.

RRC is the lead institute in the training for Culinary and Access skills. RRC is working with CEGEP Regional de Lanaudiere in Quebec to offer the Culinary and Access training. The project is scheduled to continue until 2011.

Brazilian Delegation visit to Canada

Recruitment

Currently China, South Korea, Brazil, Mexico, Turkey and India are the main countries IE focuses recruitment efforts on. A Red River College representative gives students and parents an opportunity to learn about the advantages of coming to Winnipeg and RRC. Often students and parents are not aware of what RRC, Winnipeg, and Manitoba, have to offer the international student and it is received well when coming from a RRC representative.

Another common method of recruitment is to attend student fairs. RRC representatives set up booths and speak with potential students and parents to explain their options in studying overseas and how to come to Canada. IE participated in student fairs in Turkey, Brazil, Mexico, Chile and China within the past year.

Jamaica Connection

RRC has entered into an agreement with the Jamaican government to offer specialized training for Jamaican workers.

The first program started with training for Chefs. Upon the completion of the 8 month program the graduates will challenge the Red Seal exams.

Another cohort of Jamaican students is slated to start in January 2010. This group will be offered studies as an Automotive Service Technician.

President Dr. Zabudsky with Jamaican Minister of Labour Honourable Pearnel Charles and 18 Jamaican chefs training at RRC

Chinese Joint Programs

RRC continues to foster its relationship with Shenyang Institute of Engineering (SIE). In 2008 the first joint program was offered in Electrical Engineering Technology (EET) studies. Discussions are ongoing for adding two new RRC programs in China. The programs under consideration are Power Engineering and Hospitality & Tourism Management.

David Leis negotiating with Chinese partners (SIE)

Indian AME Students

RRC has entered into an agreement with the Continental Institute of International Studies (CIIS) based in Chandigarh, India, to provide students for the RRC Aircraft Maintenance Engineering program.

The students undergo a four month AME foundation program at CIIS in India and upon successful graduation they take the AME program at RRC's Stevenson Campus.

Collaborating with the Manitoba Institutes

In order to maximize the marketing potential of Manitoba as an education destination for international students RRC has been working with the Manitoba Council of International Education (MCIE).

The MCIE mandate is to coordinate certain activities by Manitoban education institutions to promote Manitoba and the individual membership to International students. Last year MCIE coordinated a visit to Thailand and in 2009 RRC participated in a Manitoba delegation to Vietnam. Currently there are plans to have Manitoban delegation visit Mexico and Brazil in 2010.

RRC Staff Working Internationally

Faculty from a variety of RRC programs have presented at various conferences around the globe, including:

April Krahn, Manager of Aboriginal Student Support and Community Relations gave a presentation at an international conference in Brazilia, Brazil regarding ACCESS issues.

Bruce Condie, Director of International Education gave a presentation at the ACCC annual conference in Prince Edward Island.

Dennis Doersam, Director of Stevenson Aviation visited the CIIS in India to facilitate the development of the AME foundation program.

Marti Ford, Dean of the School of Indigenous Education and **Michael Farris**, Manager of Learning Technologies went to Chile to represent RRC at the graduation ceremony of our CIDA funded Aboriginal project.

Deb Blower, Facilitator of RPL gave a one week workshop in RPL in Bermuda.

Marti Ford gave a one week workshop in ACCESS issues for four IFs (Brazilian Colleges) in the context of the CIDA funded project RRC has in Brazil.

Sandra Sukhan, Program & Curriculum Development and **Paz Bowman**, Language Training Centre instructed intensive courses of the Certificate of Adult Education as part of the CIDA funded Chilean project.

APPENDIX:
PROGRAM HIGHLIGHTS, 2008/2009

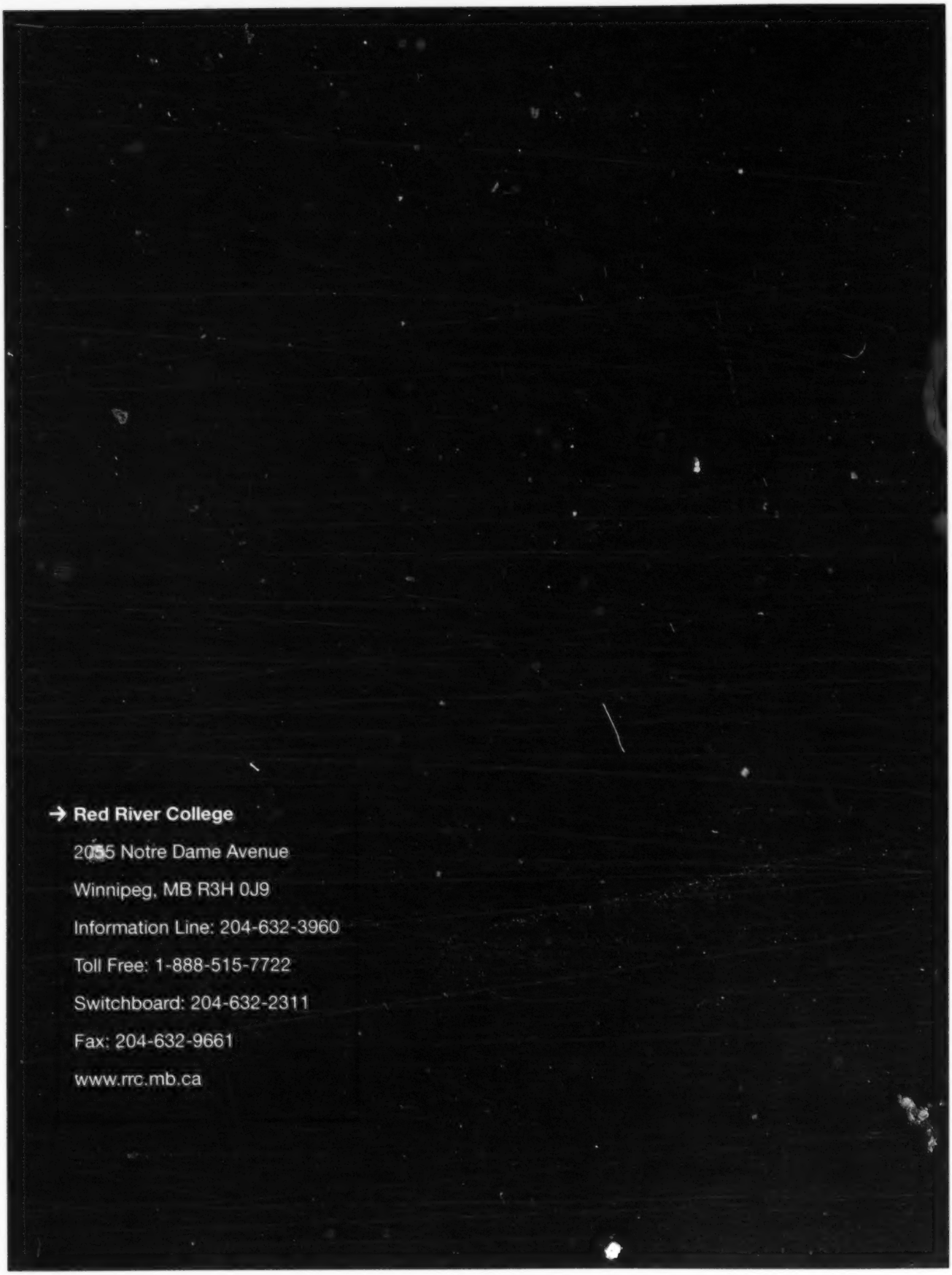
Program	1st Year Quota	Start Month	1st Year Enrolment	2nd Year Enrolment	3rd Year Enrolment	Total Enrolment	Female	Aboriginal	Persons with Disabilities	Graduates
SCHOOL OF BUSINESS AND APPLIED ARTS										
3D Computer Graphics	15	9	12	---	---	12	3	2	---	10
American Sign Language-English	16	9	7	7	7	21	19	2	---	5
Aviation Management	25	9	20	18	---	38	4	3	---	---
Business Administration	597	9/1	622	401	---	1,023	501	71	8	308
Business Administration Integrated	64	9	42	45	---	87	50	45	---	---
Commerce/Industry Sales & Marketing	70	9	31	---	---	31	14	3	---	23
Computer Accounting Technician	101	9/1	91	---	---	91	57	7	1	58
Computer Analyst/Programmer	99	9/1	88	38	---	126	12	8	1	37
Computer Analyst/Programmer Integrated	66	9/1	42	12	5	59	6	9	2	8
Creative Communications	75	9	73	74	---	147	83	6	---	69
Culinary Arts	70	9/1	72	36	---	108	45	14	5	45
Deaf Literacy Program	---	---	11	---	---	11	4	---	6	---
Deaf Studies	20	9	20	---	---	20	20	---	1	9
Digital Multimedia Technology	40	9	42	44	---	86	21	3	---	37
Graphic Design	50	9	52	49	---	101	60	4	1	41
Graphic Design - Advanced	20	9	20	---	---	20	13	---	---	19
Health Information Management	30	9	24	---	---	24	22	1	1	---
Hospitality & Tourism Management	85	9	63	---	---	63	46	4	2	---
Hotel and Restaurant Management	---	9	---	27	---	27	18	1	---	20
Tourism Management	---	9	---	23	---	23	18	1	---	12
Information Systems Technology	66	9/1	56	23	---	79	9	2	2	20
International Business	25	9	18	---	---	18	7	---	---	7
Library and Information Technology	---	9	---	29	---	29	26	1	1	27
Professional Baking	14	9	21	---	---	21	14	---	---	16
Division Total	1,548	---	1,427	826	12	2,265	1,072	187	31	771

Program	1st Year Quota	Start Month	1st Year Enrolment	2nd Year Enrolment	3rd Year Enrolment	Total Enrolment	Female	Aboriginal	Persons with Disabilities	Graduates
SCHOOL OF CONSTRUCTION & ENGINEERING TECHNOLOGIES										
Carpentry and Woodworking	20	9	20	---	---	20	2	1	---	24
Carpentry Five-month Program	20	1	20	---	---	20	4	4	---	13
Civil Engineering Technology	191	9	210	---	---	210	38	14	4	---
Architectural Engineering Technology	---	10	---	21	20	41	12	1	---	13
Environmental Protection Technology	---	10	---	24	15	39	14	4	---	14
Geomatics Technology	---	10	---	24	17	41	5	4	---	12
Municipal Engineering Technology	---	10	---	35	31	66	10	5	---	35
Structural Engineering Technology	---	10	---	29	33	62	7	---	---	21
Building Design CAD Technology	---	10	---	18	---	18	6	1	---	9
Electronic Engineering Technology	122	9/1	111	38	23	172	7	5	---	19
Electrical Engineering Technology	---	9	---	32	12	44	3	3	---	11
Instrumentation Engineering Technology	---	9	---	15	11	26	---	---	1	10
Electronic Engineering Technology Integrated	24	9	18	9	---	27	2	4	---	---
Electronic & Network Technician	32	9/1	25	---	---	25	2	2	1	15
Electrical	24	9	25	---	---	25	1	3	---	33
Electrical Five-month Program	24	2	24	---	---	24	1	3	---	21
Geographic Information Systems Tech	24	8	11	---	---	11	5	2	---	9
Greenspace Management	22	9	18	13	9	40	10	4	1	8
Network Technology (CCNA) Certificate	2	9	11	---	---	11	---	1	---	7
Network Technology (CCNP) Certificate	2	9	3	---	---	3	---	---	---	3
Network Technology (CCNP) Diploma	12	9	1	---	---	1	---	---	---	1
Piping Trades	18	8	20	---	---	20	2	1	2	17
Plumbing Five-month Program	18	2	20	---	---	20	---	3	---	13
Refrigeration and Air Conditioning	18	9	17	---	---	17	---	1	---	12
Wood Products Manufacturing - Certificate	5	9	13	---	---	13	2	3	1	1
Wood Products Manufacturing - Diploma	15	9	7	5	5	17	2	---	---	5
Division Total	593	---	574	263	176	1,013	135	69	10	326

Program	1st Year Quota	Start Month	1st Year Enrolment	2nd Year Enrolment	3rd Year Enrolment	Total Enrolment	Female	Aboriginal	Persons with Disabilities	Graduates
SCHOOL OF HEALTH SCIENCES & COMMUNITY SERVICES										
Animal Health Technology	30	9	30	18	---	48	42	5	2	17
Chemical & Biosciences Technology	45	9	40	32	---	72	42	2	3	17
Child and Youth Care	25	9	23	24	---	47	43	6	3	20
Dental Assisting - Level 2	40	9	54	---	---	54	50	3	---	46
Diploma Nursing (Accelerated)	126	9/5	121	129	---	250	215	18	5	101
Disability and Community Support	30	9	54	24	---	78	65	6	1	16
Early Childhood Education	60	9	60	58	---	118	107	13	3	28
Early Childhood Education - Workplace	50	9/1	45	49	---	94	83	6	---	41
Family Support Worker - FAS/E	25	1	25	---	---	25	25	25	---	22
Health Care Aide	120	9/2	98	---	---	98	73	8	1	98
Joint Baccalaureate Nursing	108	9	107	107	88	302	263	30	2	---
Medical Laboratory Sciences	40	9	42	40	---	82	65	6	1	40
Medical Radiologic Technology	40	9	41	31	---	72	46	3	---	36
(MRI) Magnetic Resonance Imaging and Spectroscopy	20	9/2	6	---	---	6	5	---	---	8
Paramedicine - Primary Care Paramedic	40	9	36	---	---	36	18	2	1	---
Pharmaceutical Manufacturing	25	9	9	---	---	9	4	---	---	10
QA / QC in Pharmaceutical Industry	25	9	16	---	---	16	6	---	---	14
Radiation Therapy	14	9	13	---	---	13	10	---	---	
Rehabilitation Assistant	17	9	21	---	---	21	15	---	---	18
Division Total	**880**	**---**	**841**	**512**	**88**	**1,441**	**1,177**	**133**	**22**	**532**
SCHOOL OF INDIGENOUS EDUCATION										
Aboriginal Self-Government Administration	20	9	20	8	---	28	18	16	1	4
Biindigen College Studies	50	9/1	90	---	---	90	43	65	---	15
College Preparation for Nursing	40	9	35	---	---	35	32	9	---	13
Community Development / Economic Development	25	9	14	10	---	24	9	3	1	9
Computer Applications for Business	---	9	16	10	---	26	19	3	1	3
Information & Office Assistant Cert	---	---	17	---	---	17	16	15	---	3
Introduction to Trades	16	9/1	15	---	---	15	---	11	---	11
Division Total	**151**	**---**	**207**	**28**	**---**	**240**	**137**	**122**	**3**	**58**

Program	1st Year Quota	Start Month	1st Year Enrolment	2nd Year Enrolment	3rd Year Enrolment	Total Enrolment	Female	Aboriginal	Persons with Disabilities	Graduates
SCHOOL OF LEARNING INNOVATION										
Business / Technology Teacher Education	12	9	3	3	9	15	7	---	---	2
Business Teacher Education - After Degree	4	9	11	9	---	20	11	---	---	---
Industrial Arts Teacher Education	16	9	11	7	28	46	4	---	---	6
Industrial Arts/Technology Teacher Ed - After Degree	4	---	2	4	---	6	2	---	---	---
Technical Vocational Teacher Education	16	8	8	---	---	8	2	---	---	10
Division Total	**52**	**---**	**35**	**23**	**37**	**95**	**26**	**---**	**---**	**18**
SCHOOL OF TRANSPORTATION, AVIATION & MANUFACTURING										
Aerospace Manufacturing	32	9/1	30	---	---	30	1	2	---	37
Aircraft Maintenance Engineer	48	8/11 /4	39	---	---	39	2	1	---	19
Automotive Service Ed Program	---	---	50	---	---	50	---	---	---	49
Automotive Technician - Certificate	60	9	77	---	---	77	6	14	2	48
Automotive Technician - Diploma	12	9	12	---	---	12	1	1	---	9
Collision Refinishing	10	10	5	---	---	5	1	2	---	5
Collision Repair and Refinishing	30	9	31	---	---	31	2	5	---	17
Heavy Duty Equipment Mechanic	48	9	39	---	---	39	2	8	---	26
Manufacturing CAD	15	9	17	---	---	17	1	---	---	9
Manufacturing Technician	28	9	18	13	---	31	3	3	1	2
Mechanical Engineering Technology	52	8	37	34	21	92	3	6	3	13
Outdoor Power Equipment Technician	14	9	13	---	---	13	2	---	---	11
Power Engineering Technology	20	9	22	18	---	40	---	5	3	15
Technical Communication	25	9	4	---	---	4	2	1	1	4
Technology Management	25	9	4	---	---	4	---	---	---	3
Welding	36	9/11	35	---	---	35	2	3	---	29
Division Total	**455**	**9**	**433**	**65**	**21**	**519**	**28**	**51**	**10**	**296**
GRAND TOTAL	**3,745**	**---**	**3,540**	**1,723**	**334**	**5,597**	**2,576**	**631**	**76**	**2,049**

Note: The above information does not include all full-time programs.



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